Fortinet Product Quick Guide

November, 2023

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Fortinet Security Fabric

Broad

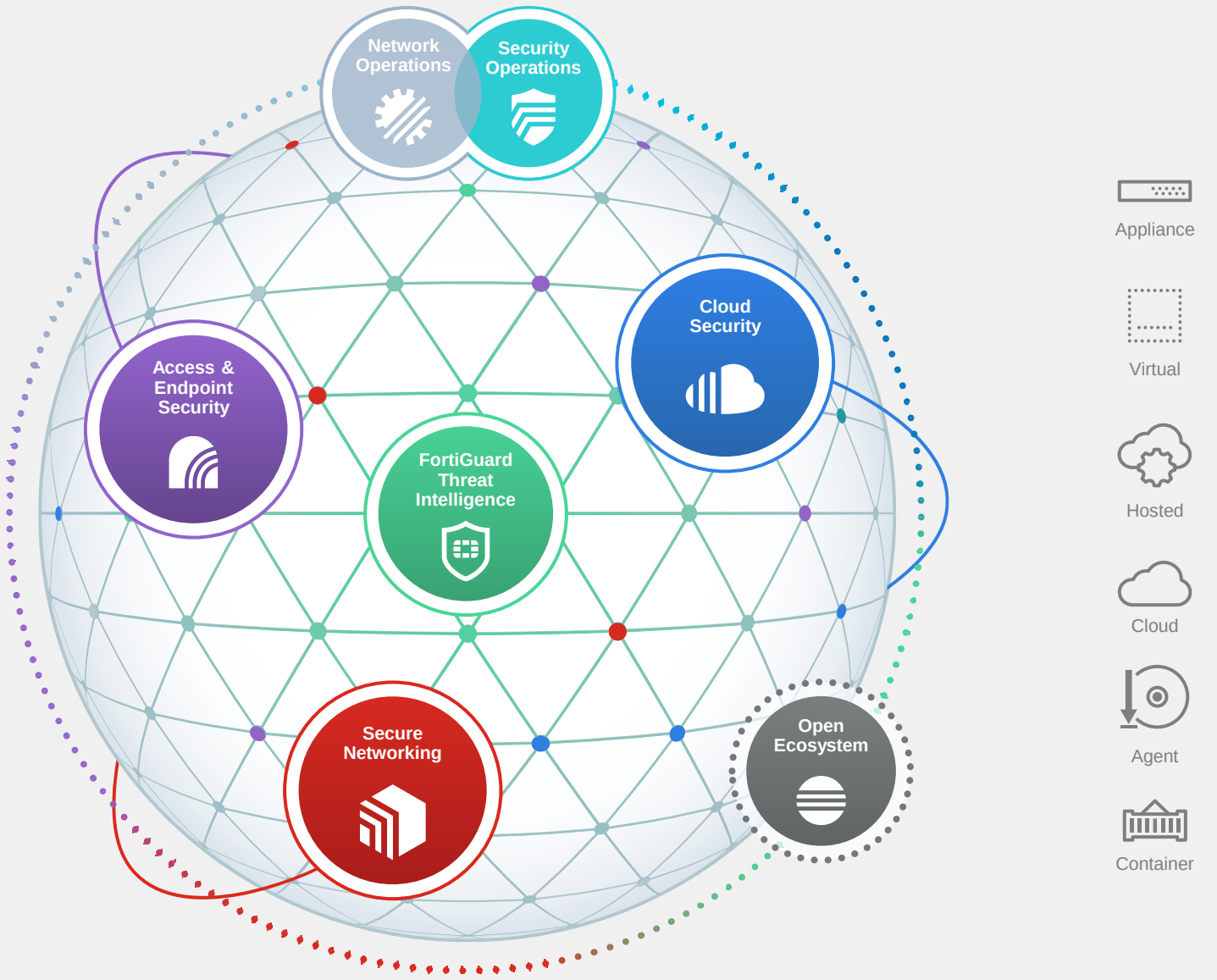
visibility and protection of the entire digital attack surface to better manage risk

Integrated

solution that reduces management complexity and shares threat intelligence

Automated

self-healing networks with AI-driven security for fast and efficient operations



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SECURITY/NETWORK OPERATING CENTER

FortiAnalyzer — Central Log & report
FortiNAC — IoT Access Control
FortiSandbox — File Analysis
FortiNDR — Virtual Security Analyst ™
FortiSIEM — SIEM / UEBA
FortiXDR — XDR
FortiManager — Central Device Mgmt.
FortiAuthenticator — User Access Mgmt.
FortiTester — Network Tester
FortiDeceptor — Honeypot
FortiSOAR — SOAR

HOSTED SERVICES

Cloud mgmt.
FortiGate Cloud | FortiLAN Cloud | FortiExtender Cloud | FortiManager Cloud | FortiAnalyzer Cloud | FortiClient EMS Cloud | FortiToken Cloud | FortiSOAR Cloud

Cloud services
FortiPresence | FortiMail Cloud | FortiPhish | FortiGSLB | FortiConverter | Fortinet SOCaaS | FortiSASE | FortiPenTest | FortiWeb Cloud | FortiSandbox Cloud | FortiVoice Cloud | FortiMonitor

MOBILE USERS

FortiToken — 2 Factor OTP Token
FortiClient / FortiEDR — VPN, ZTNA, EPP, and SASE Client

SaaS

FortiCASB
FortiCNP

Secure SD-WAN
IPsec / SSL VPN
SASE

FortiGate — Security Gateway
ZTNA

FortiDDoS — L7 D/DOS Mitigator
FortiADC — Load Balancer
FortiMail — Mail Sec. Gateway
FortiWeb — Web App. Firewall
FortiIsolator — Browser Isolation
FortiProxy — Secure Web Gateway

BRANCH OFFICE

FortiWiFi — Secure WiFi Access
FortiExtender — 3G/4G/5G WAN

LAN

FortiSwitch — Switch
FortiAP — Wireless Access Point
FortiRecorder — Surveillance Manager
FortiVoice — IP PBX
FortiCamera
FortiFone

CLICK ON PRODUCT NAME TO JUMP ONTO ITS SECTION

DATA CENTER

FortiGate/FortiWiFi

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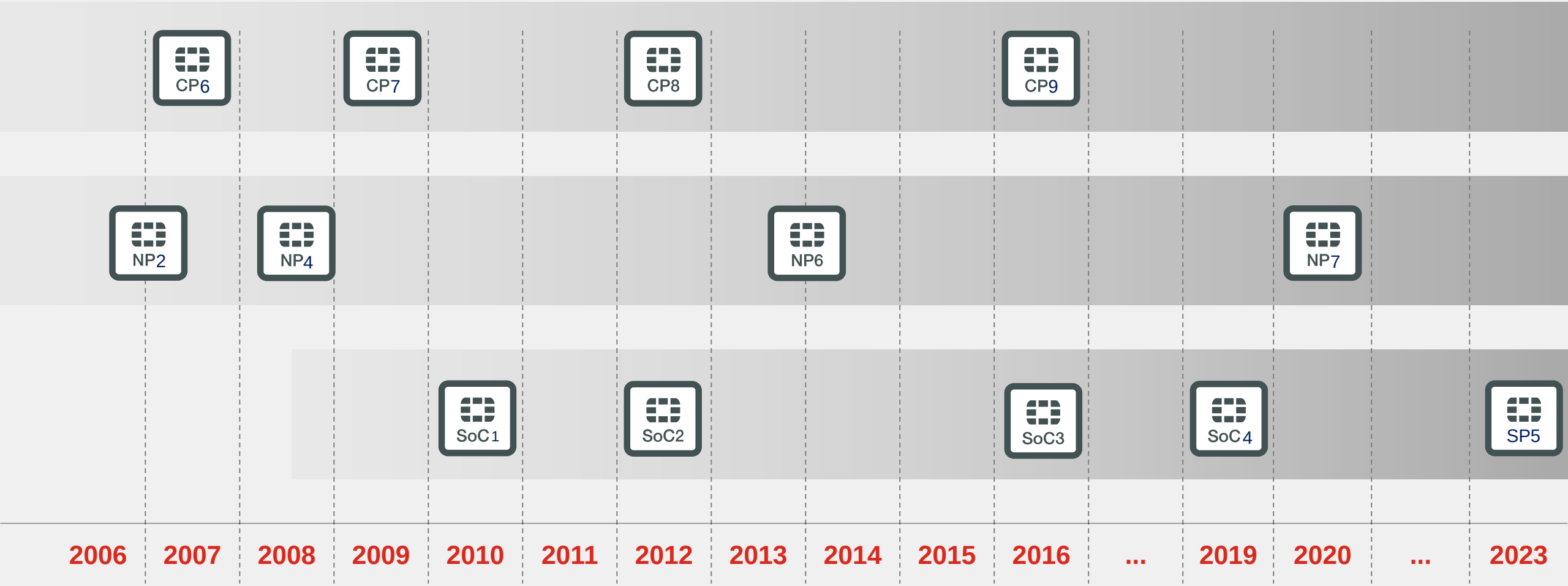
Fortinet Security Processor Evolution



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FortiGate Product Offering

	Entry Level	Mid-Range		High-End	Ultra High-End	Virtual Appliances
Mobile Security						
Hyperscale *					6000-7000 Series	
Network Segmentation				1000-4000 Series		
IPS			400-900 Series			FG-VM
Secure SD-WAN		100-200 Series				
NGFW						
Universal ZTNA	40-90 Series					
Threat Protection	0.6 – 2.2 Gbps	1 – 3 Gbps	5 Gbps – 20 Gbps	13 – 75 Gbps	60 Gbps – 520 Gbps	H/W Dependent

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* For applicable models

FortiGate Entry Level Series - Overview

Feature-rich Security Appliances For Small/Home Offices & Small Branch Offices

- FG-90G Series
- FG/FWF- 80F Series
- FG-70F Series
- FG/FWF- 60F Series
- FG/FWF- 40F Series

NGFW

Secure SD-WAN

5 Gbps – 28 Gbps
Firewall throughput

800 Mbps – 2.5 Gbps
NGFW Throughput

10GE RJ45 | 10GE SFP+ | GE RJ45 | GE RJ45 PoE/+ | GE SFP
Variants: WiFi | In-built 3G4G | In-built DSL | Ruggedized

1 Gbps – 4.5 Gbps
IPS Throughput

600 Mbps – 2.2 Gbps
Threat Protection Throughput

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FortiGate Entry Level Series: Comparison

	FG-40F	FG-60F	FG-70F	FG-80F	FG-90G
Firewall (1518/512/64 byte UDP)	5 / 5 / 5 Gbps	10 / 10 / 6 Gbps	10 / 10 / 6 Gbps	10 / 10 / 7 Gbps	28 / 28 / 27.9 Gbps
Concurrent Sessions	700,000	700,000	1.5 Mil	1.5 Mil	1.5 Mil
New Sessions/Sec	35,000	35,000	35,000	45,000	124,000
IPSec VPN	4.4 Gbps	6.5 Gbps	6.1 Gbps	6.5 Gbps	25 Gbps
IPS (Ent. Mix)	1 Gbps	1.4 Gbps	1.4 Gbps	1.4 Gbps	4.5 Gbps
NGFW (Ent. Mix)	800 Mbps	1 Gbps	1 Gbps	1 Gbps	2.5 Gbps
Threat Protection (Ent. Mix)	600 Mbps	700 Mbps	800 Mbps	900 Mbps	2.2 Gbps
Interfaces	5 x GE RJ45	10 x GE RJ45	10 x GE RJ45	10 x GE RJ45	8x GE RJ45, 2x 10 GE RJ45 or 10GE SFP+ Shared Media
Storage	-	128 GB (61F)	128 GB (71F)	128 GB (81F)	120 GB (91G)
Variants	WiFi, 3G4G	WiFi	-	Bypass, PoE, 3G4G, DSL	-

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FortiGate Entry Level Series: Comparison

	FWF40F	FWF60/61F	FWF80/81F
Thick AP	•	•	•
Wireless Controller	•	•	•
# of WiFi radios	1	1	2
Supported Std	a/b/g/n/ac W2	a/b/g/n/ac W2	a/b/g/n/ac/ax
MIMO	3x3 MIMO	3x3 MIMO	2x2 MIMO per radio
Max wireless association rate total	1,300 Mbps	1,300 Mbps	1,201 Mbps per radio
SSID's (incl. reserved)	8	8	8
Max AP (Total/ Tunnel)	16 / 8	64 / 32	96 / 48

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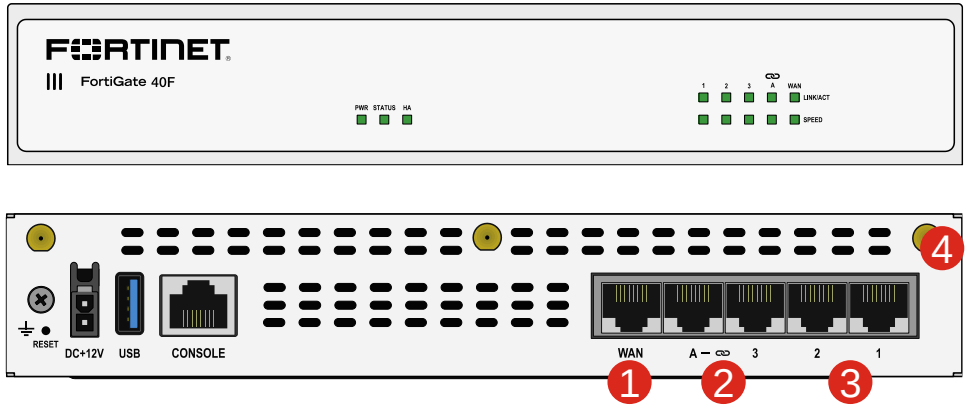
FortiGate/FortiWiFi 40F



1. 1 x GE RJ45 WAN Port
2. 1 x GE RJ45 FortiLink Port
3. 3 x GE RJ45 Ports
4. WiFi Variant: 802.11a/b/g/n/ac W2

5 Gbps
Firewall throughput

35,000
New Sessions/Sec

700,000
Concurrent Sessions

310 Mbps
SSL Inspection Throughput

1 Gbps
IPS Throughput

800 Mbps
NGFW Throughput

600 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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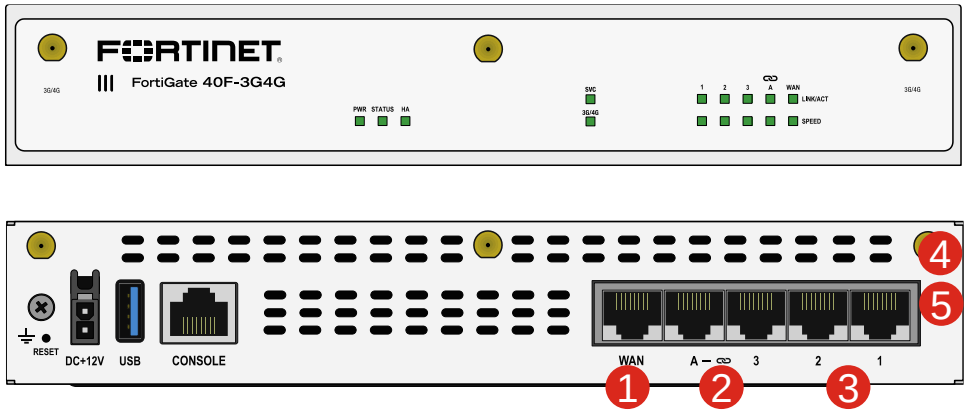
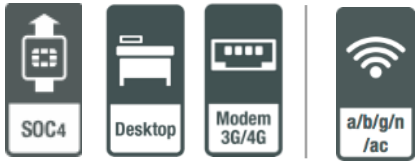
FortiGate/FortiWiFi 40F-3G4G



1. 1 x GE RJ45 WAN Port
2. 1 x GE RJ45 FortiLink Port
3. 3 x GE RJ45 Ports
4. WiFi Variant: 802.11a/b/g/n/ac W2
5. 3G4G Modem



5 Gbps
Firewall throughput

35,000
New Sessions/Sec

700,000
Concurrent Sessions

310 Mbps
SSL Inspection Throughput

1 Gbps
IPS Throughput

800 Mbps
NGFW Throughput

600 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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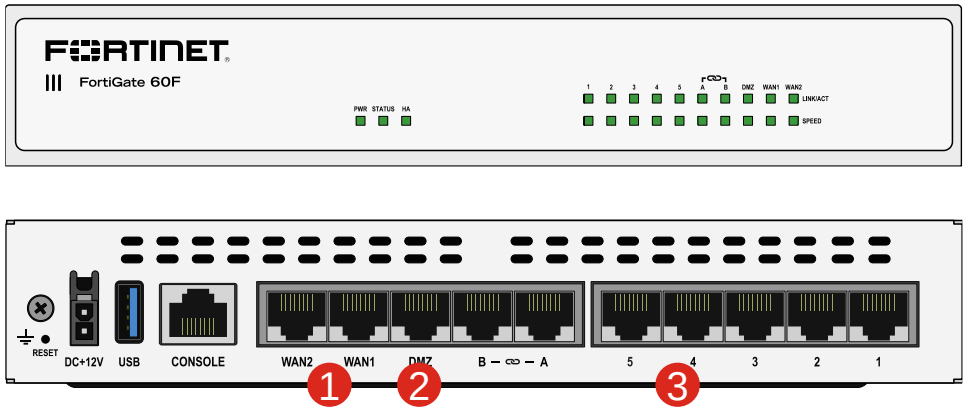
FortiGate/FortiWiFi 60/61F



① 2 x GE RJ45 WAN Ports
② 1 x GE RJ45 DMZ Port
③ 7 x GE RJ45 Ports

10 Gbps
Firewall throughput

35,000
New Sessions/Sec

700,000
Concurrent Sessions

630 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1. Gbps
NGFW Throughput

700 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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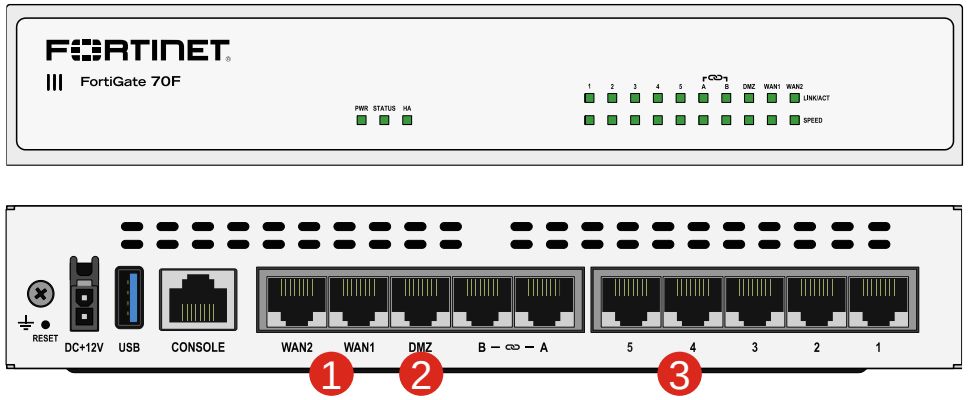
FortiGate 70/71F



① 2 x GE RJ45 WAN Ports
② 1 x GE RJ45 DMZ Port
③ 7 x GE RJ45 Ports

10 Gbps
Firewall throughput

35,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

700 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

800 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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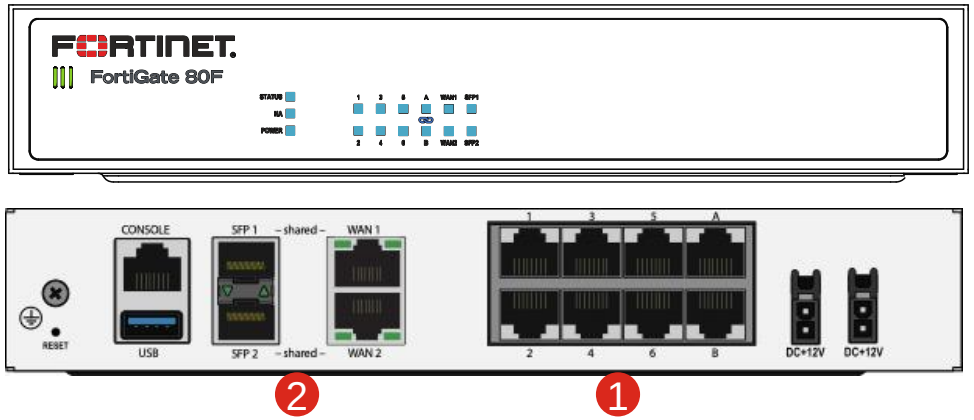
FortiGate 80/81F



① 8 x GE RJ45 Ports
② 2x Shared Media interface Pairs

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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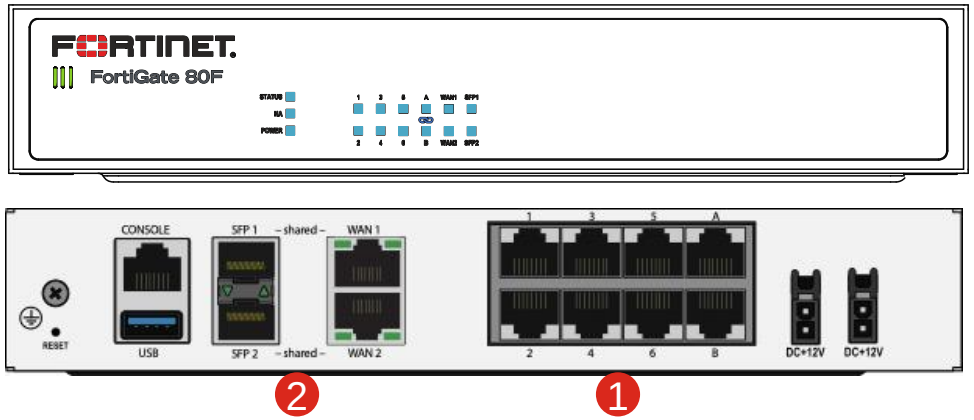
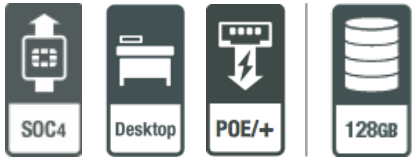
FortiGate 80/81F-POE



① 8 x GE RJ45 PoE/+ Ports
② 2x Shared Media interface Pairs



10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

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NGFW / Secure SD-WAN

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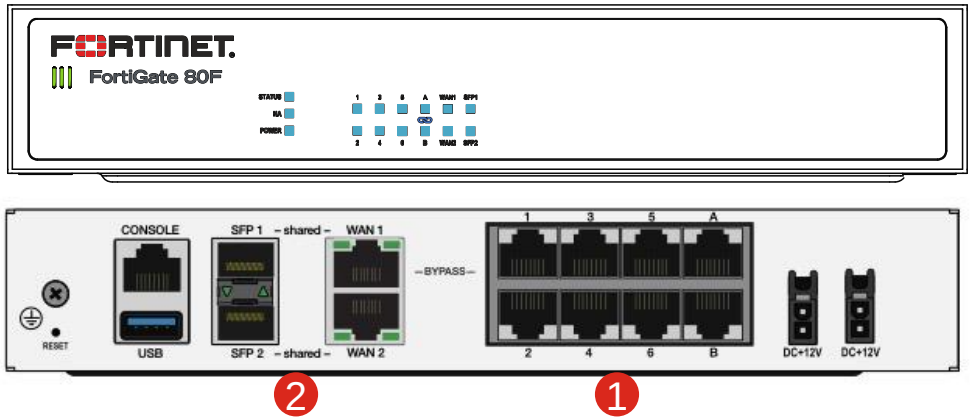
FortiGate 80F-Bypass



① 8 x GE RJ45 Ports
② 2x Shared Media interface Pairs

** WAN1 and Port1 are default configured as 1x bypass GE RJ45 port pair*

SOC4 Desktop

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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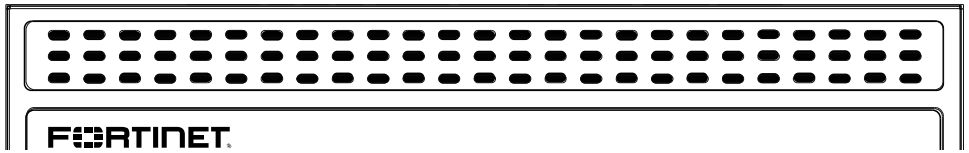
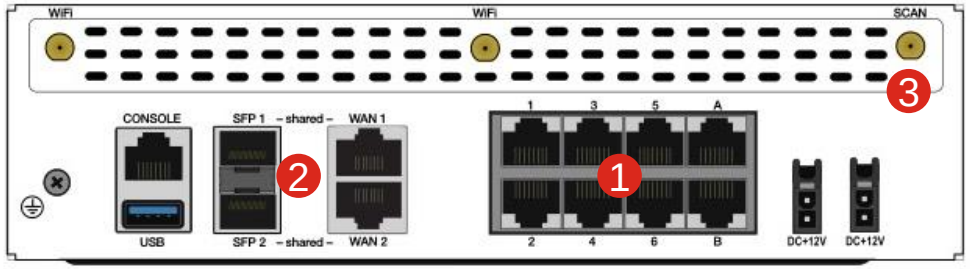
FortiWiFi 80/81F-2R





① 8 x GE RJ45 Ports
② 2x Shared Media interface Pairs
③ Dual WiFi Radio (5 GHz, 2.4 GHz) 802.11a/b/g/n/ac/ax + 1 Scanning Radio

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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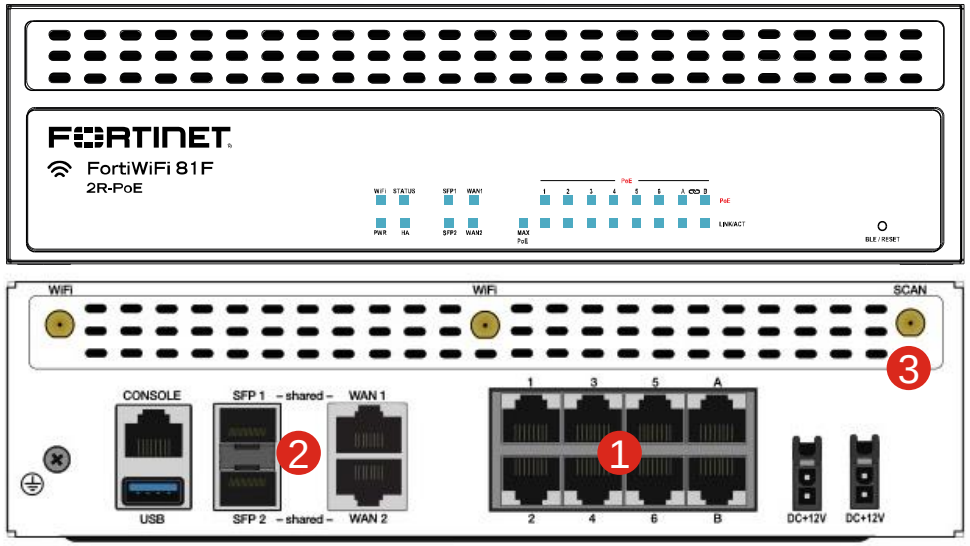
FortiWiFi 81F-2R



① 8 x GE RJ45 PoE/+ Ports
② 2x Shared Media interface Pairs
③ Dual WiFi Radio (5 GHz, 2.4 GHz) 802.11a/b/g/n/ac/ax + 1 Scanning Radio

SOC4 | Desktop

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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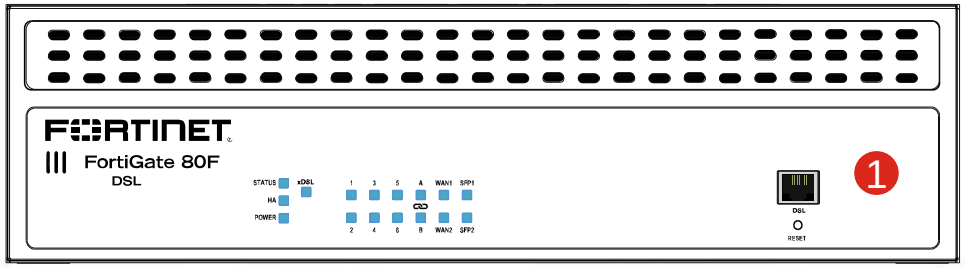
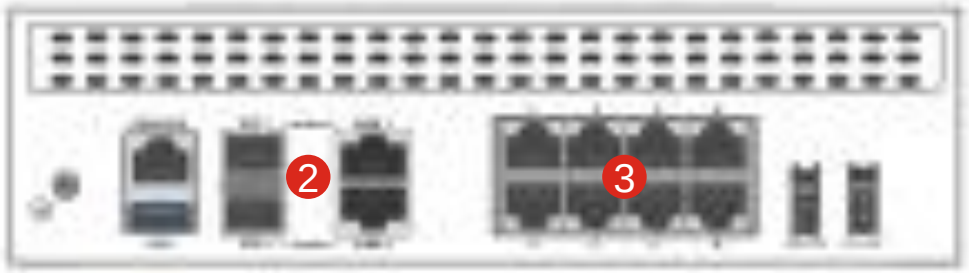
FortiGate 80F-DSL





1. 1 x RJ11 DSL port
2. 2x Shared Media interface Pairs
3. 8 x GE RJ45 Ports

10 Gbps
Firewall throughput

1.4 Gbps
IPS Throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

1 Gbps
NGFW Throughput

715 Mbps
SSL Inspection Throughput

900 Mbps
Threat Protection Throughput

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NGFW / Secure SD-WAN

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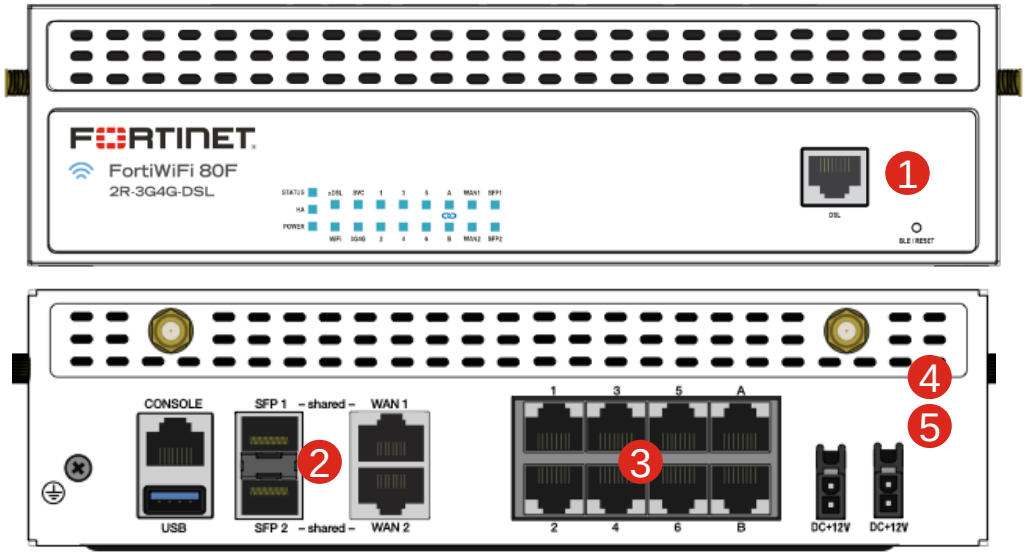
FortiWiFi 80/81F-2R-3G4G-DSL



1. 1 x RJ11 DSL port
2. 2x Shared Media interface Pairs
3. 8 x GE RJ45 Ports
4. Dual WiFi Radio (5 GHz, 2.4 GHz) 802.11a/b/g/n/ac/ax + 1 Scanning Radio
5. 3G4G Modem

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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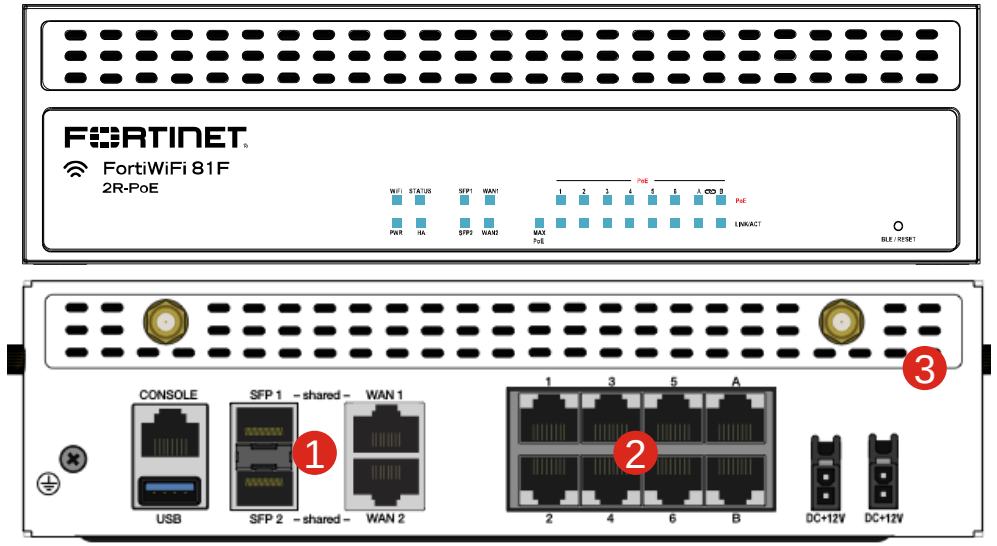
FortiWiFi 81F-2R-3G4G-POE



1. 2x Shared Media interface Pairs
2. 8 x GE RJ45 PoE/+ Ports
3. Dual WiFi Radio (5 GHz, 2.4 GHz) 802.11a/b/g/n/ac/ax + 1 Scanning Radio
4. 3G4G Modem

SOC4 | Desktop

10 Gbps
Firewall throughput

1.4 Gbps
IPS Throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

1 Gbps
NGFW Throughput

715 Mbps
SSL Inspection Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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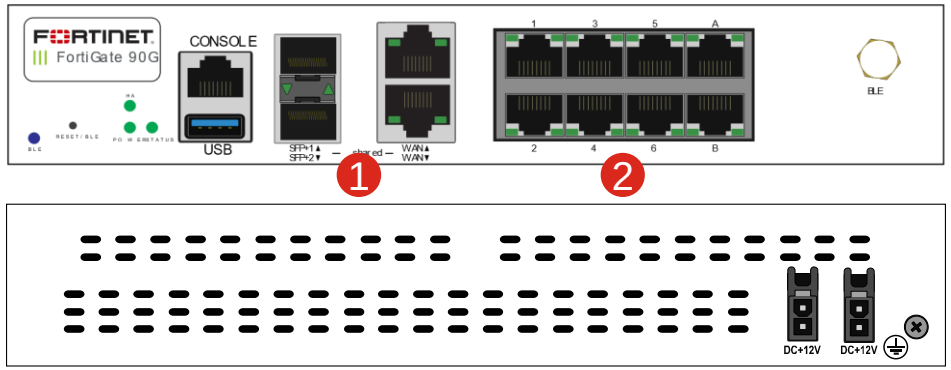
FortiGate 90/91G



① 2x 10/5/2.5/ GE RJ45 or 10GE/GE SFP+/SFP Shared Media Ports

② 8x GE RJ45 Ports

28 Gbps
Firewall throughput

124,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

2.6 Gbps
SSL Inspection Throughput

4.5 Gbps
IPS Throughput

2.5 Gbps
NGFW Throughput

2.2 Gbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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FortiGate Rugged Series: Comparison

	FGR-60F/-3G4G	FGR-70F/-3G4G
Firewall (1518 UDP)	6 Gbps	8 Gbps
Concurrent Sessions	600,000	1 Million
New Sessions/Sec	19,000	35,000
IPSec VPN	3.5 Gbps	6.5 Gbps
IPS (Ent. Mix)	950 Mbps	975 Mbps
NGFW (Ent. Mix)	550 Mbps	950 Mbps
Threat Protection (Ent. Mix)	500 Mbps	580 Mbps
Interfaces	4 x GE RJ45 Switch ports, 2 x Shared Media pairs (can be configured with 1 RJ45 Bypass pair)	4x GE RJ45 ports, 1x GE RJ45 bypass port pair (between PORT3 and PORT4), 2x GE RJ45 WAN ports, 2x SFP slots
Storage	-	
Others	IP 20 Rated	IP 40 Rated

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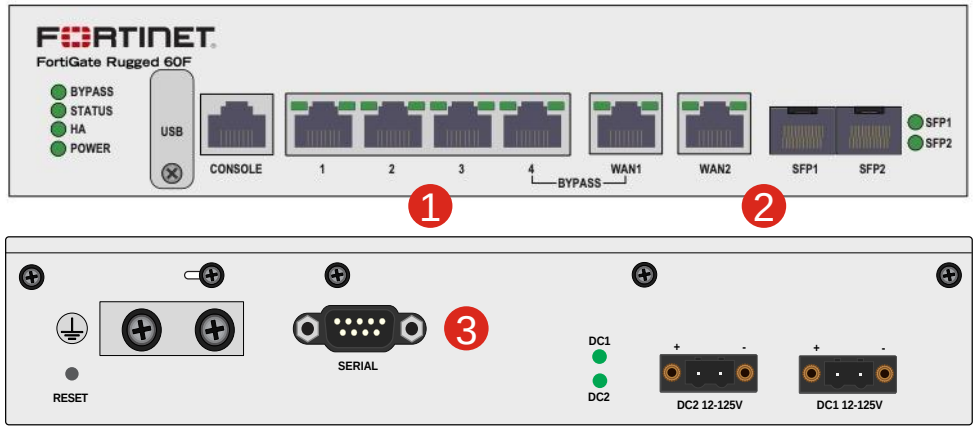
FortiGate Rugged-60F



① 4x GE RJ45 Ports
② 2x Shared Media Pairs
③ 1x DB9 Serial Port

** WAN1 and Port4 are default configured as 1x bypass GE RJ45 port pair*

6 Gbps
Firewall throughput

19,000
New Sessions/Sec

600,000
Concurrent Sessions

460 Mbps
SSL Inspection Throughput

950 Mbps
IPS Throughput

550 Mbps
NGFW Throughput

500 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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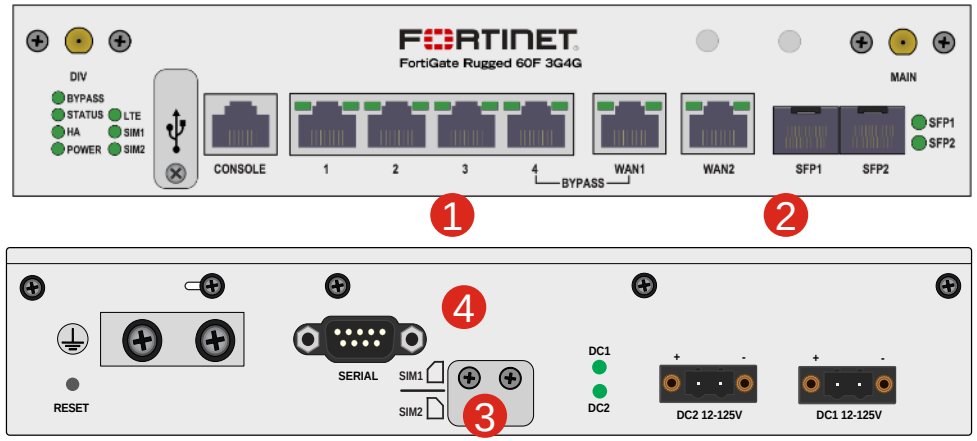
FortiGate Rugged-60F-3G4G



1. 4x GE RJ45 Ports
2. 2x Shared Media Pairs
3. 2x SIM Slots
4. 1x DB9 Serial Port

** WAN1 and Port4 are default configured as 1x bypass GE RJ45 port pair*

6 Gbps
Firewall throughput

19,000
New Sessions/Sec

600,000
Concurrent Sessions

460 Mbps
SSL Inspection Throughput

950 Mbps
IPS Throughput

550 Mbps
NGFW Throughput

500 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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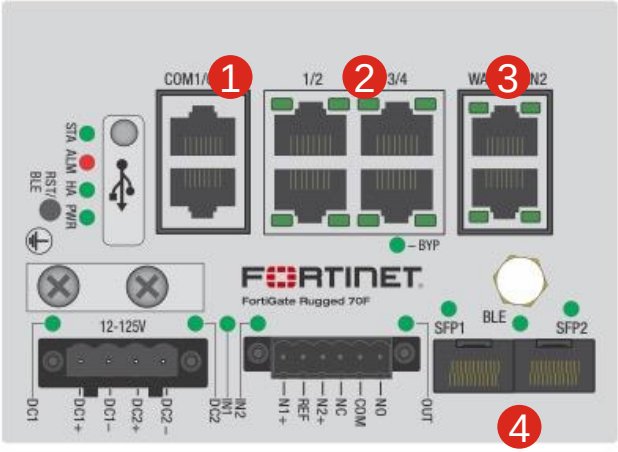
FortiGate Rugged-70F



1. 2x Serial Ports
2. 4x RJ45 Ports*
3. 2x RJ45 WAN Ports
4. 2x GE SFP Slots

** Port3 and Port4 are default configured as 1x bypass GE RJ45 port pair*

8 Gbps
Firewall throughput

975 Mbps
IPS Throughput

35,000
New Sessions/Sec

1 Million
Concurrent Sessions

950 Mbps
NGFW Throughput

500 Mbps
SSL Inspection Throughput

580 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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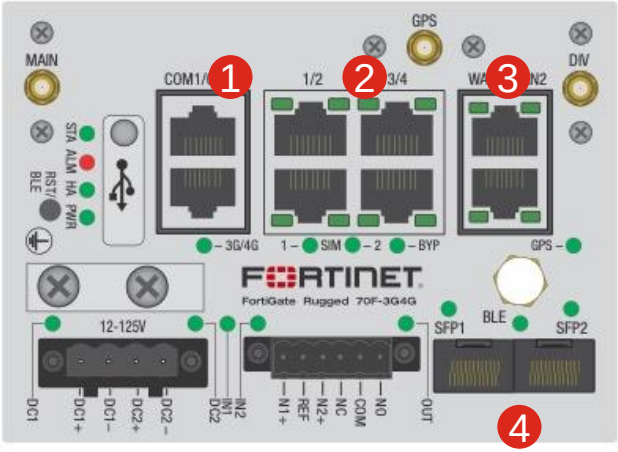
FortiGate Rugged-70F-3G4G



1. 2x Serial Ports
2. 4x RJ45 Ports*
3. 2x RJ45 WAN Ports
4. 2x GE SFP Slots

** Port3 and Port4 are default configured as 1x bypass GE RJ45 port pair*

8 Gbps
Firewall throughput

975 Mbps
IPS Throughput

35,000
New Sessions/Sec

1 Million
Concurrent Sessions

950 Mbps
NGFW Throughput

500 Mbps
SSL Inspection Throughput

580 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

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FortiGate Mid-Range Series - Overview

High-Performance, Top-Rated Network Security for Mid-Sized Enterprises

- FG-900G Series
- FG-600E/F Series
- FG-400E/F Series
- FG-200E/F Series
- FG-100F Series

- NGFW
- Secure SD-WAN
- SWG *(600 series+)*
- IPS *(600 series+)*

20 Gbps – 164 Gbps
Firewall throughput

1.6 Gbps – 22 Gbps
NGFW Throughput

2.6 Gbps – 26 Gbps
IPS Throughput

1 Gbps – 20 Gbps
Threat Protection Throughput

GE RJ45 | GE SFP | 10GE SFP+ | 25GE SFP28

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FortiGate Mid Range Devices: Comparison

	FG-100F Series	FG-200E Series	FG-200F Series	FG-400E Series	FG-400F Series
Firewall (1518/512/64 byte UDP)	20 / 18 / 10 Gbps	20 / 20 / 9 Gbps	27 / 27 / 11 Gbps	32 / 32 / 24 Gbps	79.5 / 78.5 / 70 Gbps
Concurrent Sessions	1.5 Mil	2 Mil	3 Mil	4 Mil	7.8 Mil
New Sessions/Sec	56,000	135,000	280,000	450,000	500,000
IPSec VPN	11.5 Gbps	9 Gbps	13 Gbps	20 Gbps	55 Gbps
IPS (Ent. Mix)	2.6 Gbps	2.2 Gbps	5 Gbps	7.8 Gbps	12 Gbps
NGFW (Ent. Mix)	1.6 Gbps	1.8 Gbps	3.5 Gbps	6 Gbps	10 Gbps
Threat Protection (Ent. Mix)	1 Gbps	1.2 Gbps	3 Gbps	5 Gbps	9 Gbps
Interfaces	2 x 10GE SFP+, 18 x GE RJ45, 8x GE SFP, 4x Shared Media Pairs	18x GE RJ45, 4x GE SFP	4x 10 GE SFP+, 18x GE RJ45, 8x GE SFP	18 x GE RJ45, 16 x GE SFP	8 x 10GE SFP+, 18 x GE RJ45, 8 x GE SFP
Storage	480 GB (101F)	480 GB (201E)	480 GB (201F)	480 GB (401E)	2x 480 GB (401F)
Variants	-	-	-	-	-

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FortiGate Mid Range Devices: Comparison

	FG-600E Series	FG-600F Series	FG-900G Series
Firewall (1518/512/64 byte UDP)	32 / 32 / 27 Gbps	139 / 137.5 / 70 Gbps	164 / 163 / 153 Gbps
Concurrent Sessions	8 Mil	8 Mil	16 Mil
New Sessions/Sec	450,000	550,000	720,000
IPSec VPN	20 Gbps	55 Gbps	55 Gbps
IPS (Ent. Mix)	10 Gbps	14 Gbps	26 Gbps
NGFW (Ent. Mix)	9.5 Gbps	11.5 Gbps	22 Gbps
Threat Protection (Ent. Mix)	7 Gbps	10.5 Gbps	20 Gbps
Interfaces	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP	4x 25G SFP28, 4x 10GE SFP+, 18x GE RJ45	4x 25 GE SFP28, 4x 10 GE SFP+, 1x 2.5GE RJ45, 8 x GE SFP, 17x GE RJ45
Storage	480 GB (601E)	480 GB (601F)	480 GB (901G)
Variants	-	-	-

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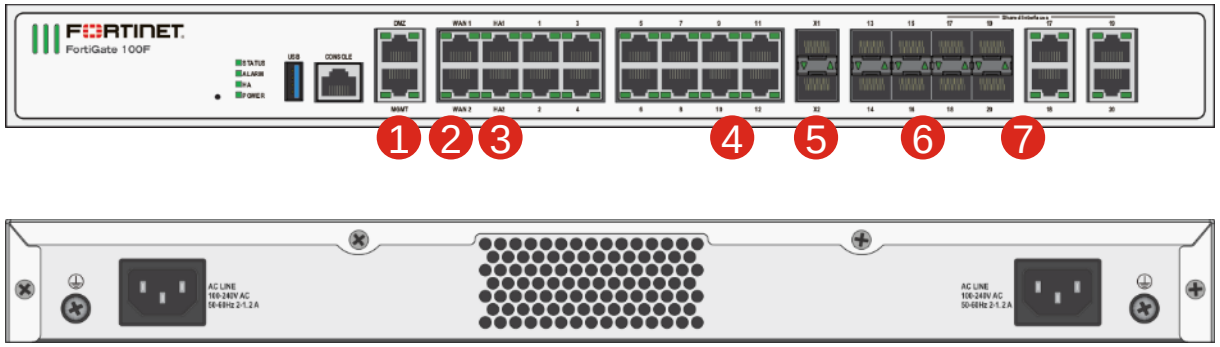
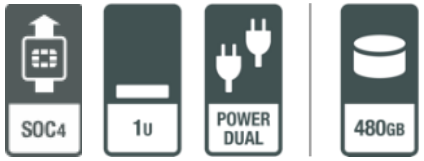
FortiGate 100/101F



1. 2 x GE RJ45 MGMT/DMZ Ports
2. 2 x GE RJ45 HA Ports
3. 2 x GE RJ45 WAN Ports
4. 12 x GE RJ45 Ports
5. 2 x 10GE SFP+ FortiLink Slots
6. 8 x GE SFP Slots
7. 4 x GE RJ45/SFP Shared Media Pairs



20 Gbps
Firewall throughput

56,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

1 Gbps
SSL Inspection Throughput

2.6 Gbps
IPS Throughput

1.6 Gbps
NGFW Throughput

1 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

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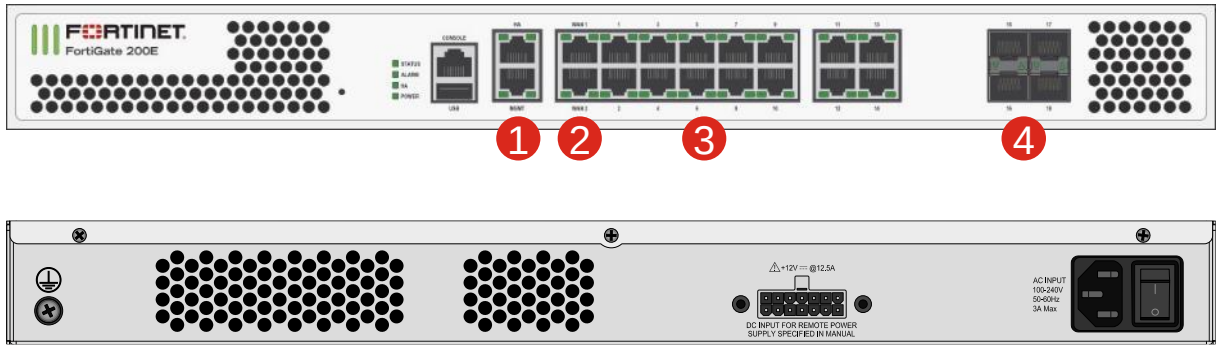
FortiGate 200/201E



1. 2 x GE RJ45 MGMT/HA Ports
2. 2 x GE RJ45 WAN Ports
3. 14 x GE RJ45 DMZ Port
4. 4 x GE SFP Slots

20 Gbps
Firewall throughput

135,000
New Sessions/Sec

2 Million
Concurrent Sessions

820 Mbps
SSL Inspection Throughput

2.2 Gbps
IPS Throughput

1.8 Gbps
NGFW Throughput

1.2 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

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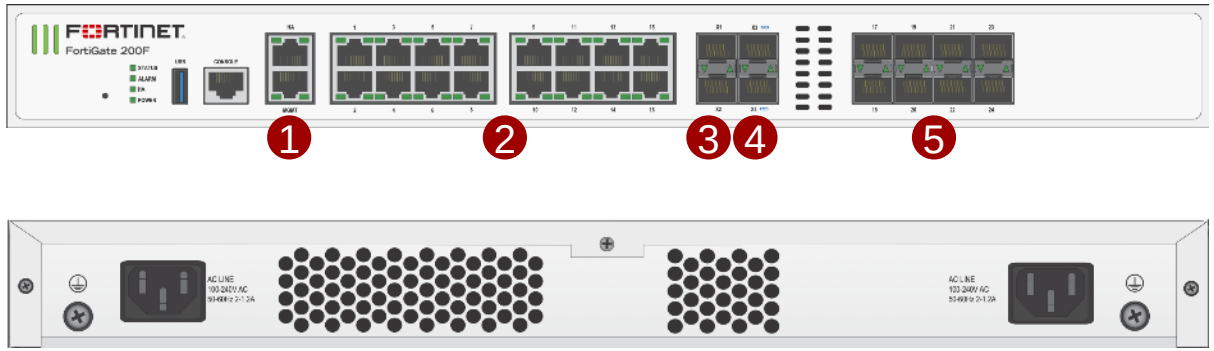
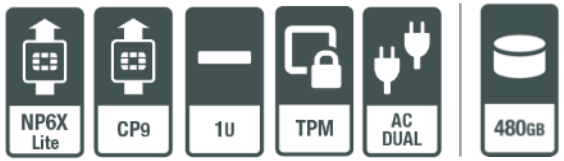
FortiGate 200/201F



1. 2 x GE RJ45 MGMT/HA Ports
2. 16 x GE RJ45 Ports
3. 2 x 10GE SFP+ Slots
4. 2 x 10GE SFP+ FortiLink Slots
5. 8 x GE SFP Slots



27 Gbps
Firewall throughput

5 Gbps
IPS Throughput

280,000
New Sessions/Sec

3 Million
Concurrent Sessions

3.5 Gbps
NGFW Throughput

4 Gbps
SSL Inspection Throughput

3 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

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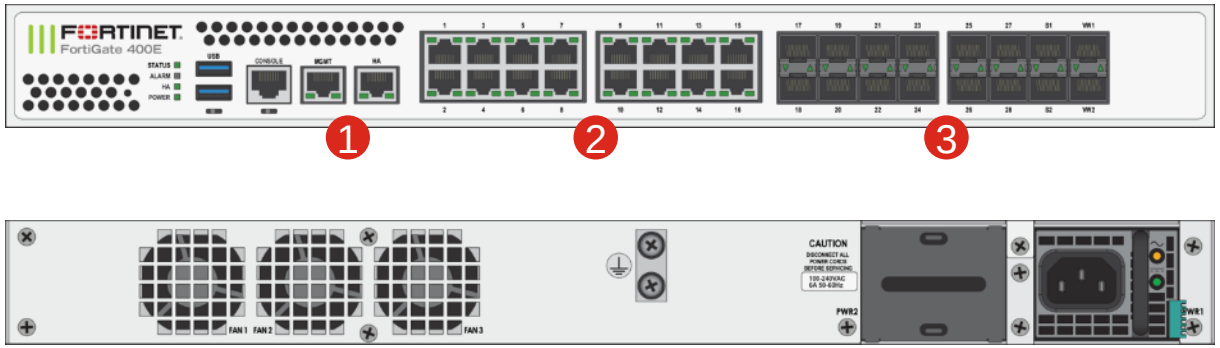
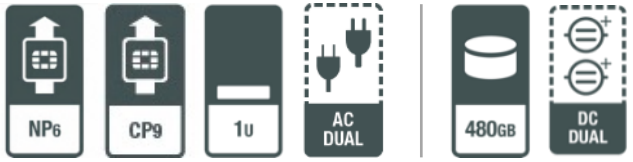
FortiGate 400E and 401E/-DC



① 2 x GE RJ45 MGMT/HA Ports
② 16 x GE RJ45 Ports
③ 16 x GE SFP Slots



32 Gbps
Firewall throughput

7.8 Gbps
IPS Throughput

450,000
New Sessions/Sec

4 Million
Concurrent Sessions

6 Gbps
NGFW Throughput

4.8 Gbps
SSL Inspection Throughput

5 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

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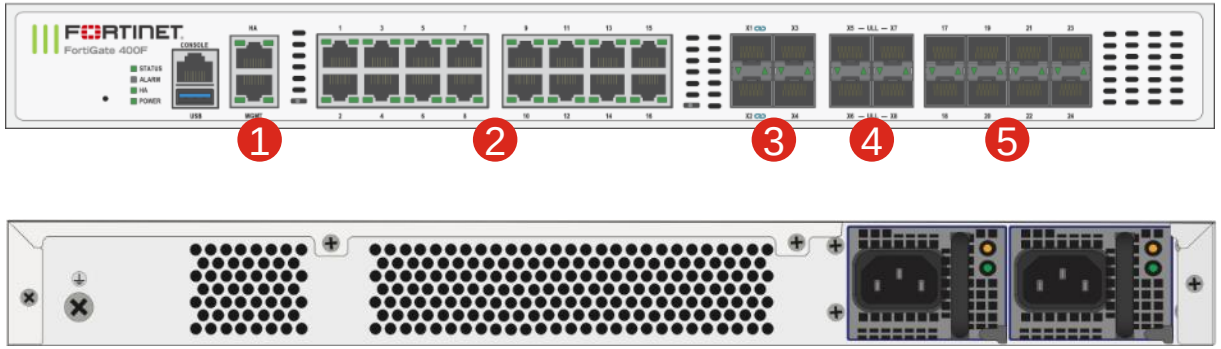
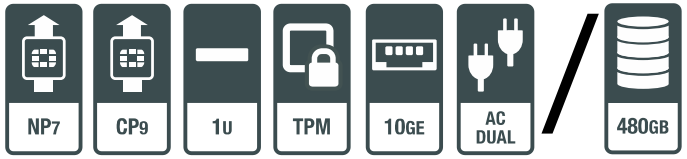
FortiGate 400/401F



1. 2 x GE RJ45 Management/HA Ports
2. 16 x GE RJ45 Ports
3. 4 x 1GE/10GE SFP+ Slots
4. 4 x 10GE SFP+ ULL (ultra-low latency) Slots
5. 8 x GE SFP Slots



139 Gbps
Firewall throughput

500,000
New Sessions/Sec

7.8 Million
Concurrent Sessions

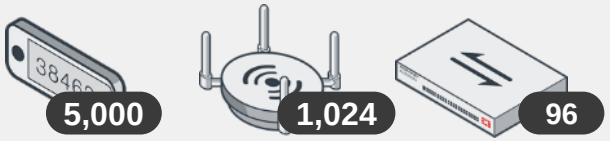
8 Gbps
SSL Inspection Throughput

12 Gbps
IPS Throughput

10 Gbps
NGFW Throughput

9 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG



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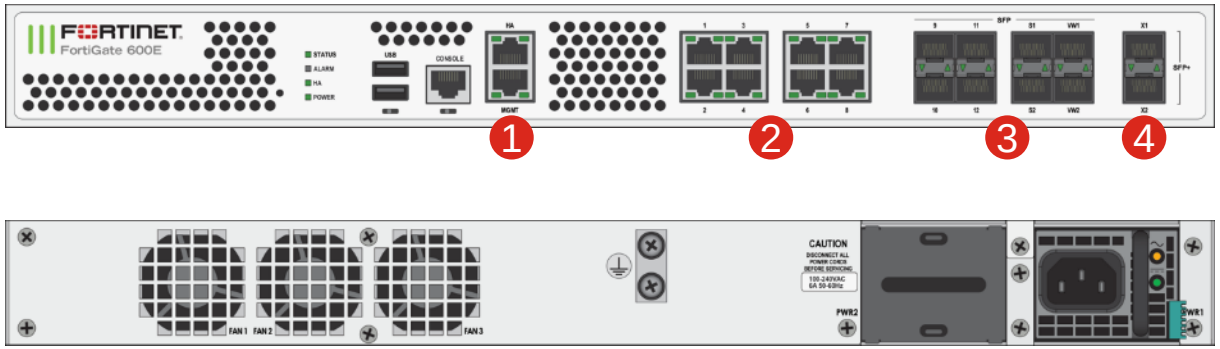
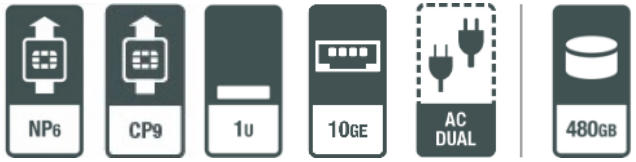
FortiGate 600/601E



① 2 x GE RJ45 MGMT/HA Ports
② 8 x GE RJ45 Ports
③ 8 x GE SFP Slots
④ 2x 10GE SFP+ Slots



36 Gbps
Firewall throughput

450,000
New Sessions/Sec

8 Million
Concurrent Sessions

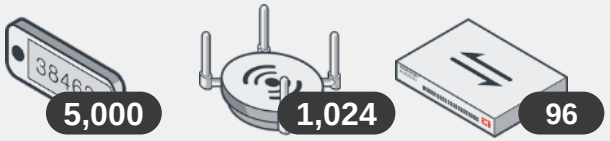
8.0 Gbps
SSL Inspection Throughput

10 Gbps
IPS Throughput

9.5 Gbps
NGFW Throughput

7 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG



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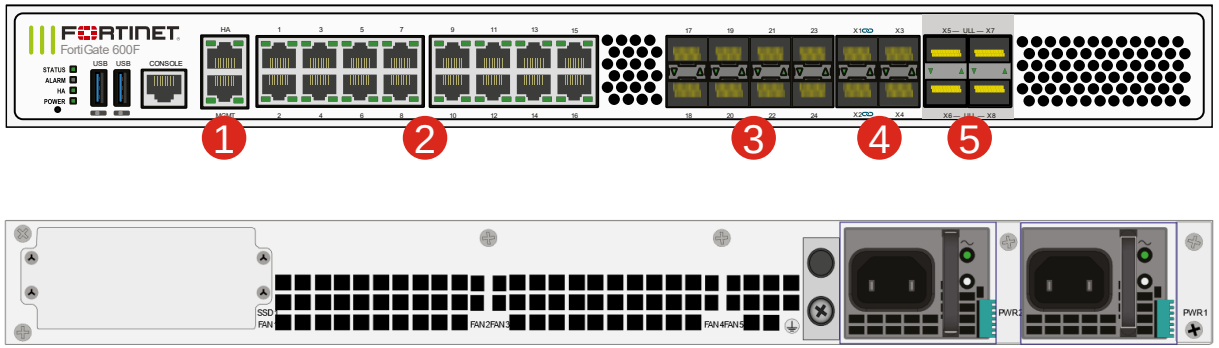
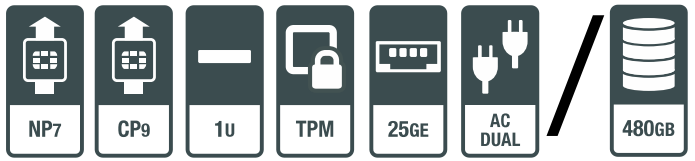
FortiGate 600/601F



1. 2 x GE RJ45 Management/HA Ports
2. 16 x GE RJ45 Ports
3. 8 x GE SFP Slots
4. 4 x 10GE/GE SFP+/SFP Slots
5. 4 x 25GE/10GE SFP28/SFP+ ULL (ultra-low latency) Slots



139 Gbps
Firewall throughput

550,000
New Sessions/Sec

8 Million
Concurrent Sessions

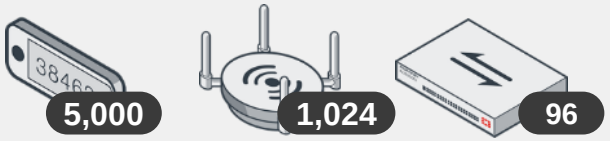
9 Gbps
SSL Inspection Throughput

14 Gbps
IPS Throughput

11.5 Gbps
NGFW Throughput

10.5 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG



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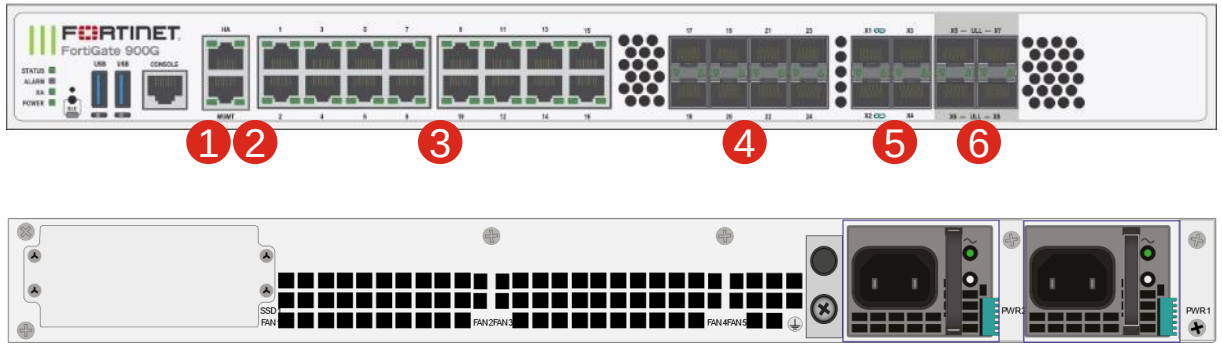
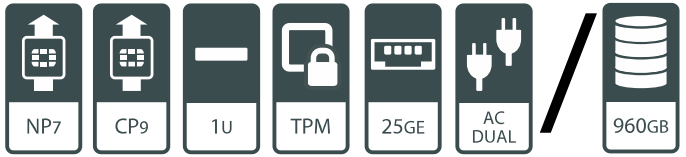
FortiGate 900/901G



1. 1x GE RJ45 Management Port
2. 1x 2.5GE RJ45 HA Port
3. 16x GE RJ45 Ports
4. 8x GE SPF Slots
5. 4 x 10GE/GE SFP+/SFP Slots
6. 4 x 25GE/10GE SFP28/SFP+ ULL (ultra-low latency) Slots



164 Gbps
Firewall throughput

720,000
New Sessions/Sec

16 Million
Concurrent Sessions

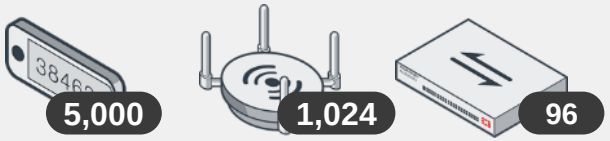
16.7 Gbps
SSL Inspection Throughput

26 Gbps
IPS Throughput

22 Gbps
NGFW Throughput

20 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG



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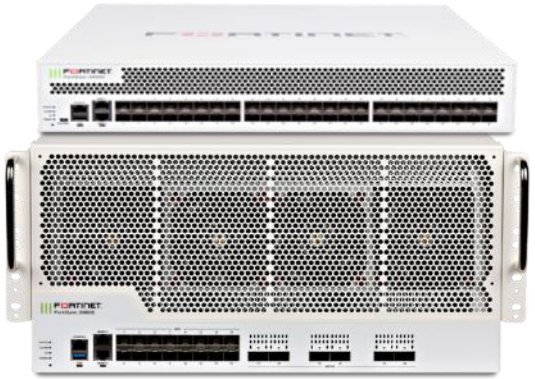
FortiGate High End Series - Overview

Data Center Firewall / Large Enterprise NGFW with High-Speed Interfaces



- FG-4000F Series
- FG-3000E/F Series
- FG-2000E/F Series
- FG-1000E/F Series

NGFW, IPS

Segmentation

SWG

Mobile Security

80 Gbps – 3.1 Tbps
Firewall throughput

9 Gbps – 82 Gbps
NGFW Throughput

11.5 Gbps – 94 Gbps
IPS Throughput

5.4 Gbps – 75 Gbps
Threat Protection Throughput

GE RJ45 | GE SFP
10GE SFP+
25GE SFP28
40GE QSFP+
100GE QSFP28
200GE QSFP56
400GE QSFP-DD

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FortiGate High End Series: Comparison

	FG-1000F	FG-1100E	FG-1800F	FG-2600F
Firewall (1518/512/64 byte UDP)	198 / 196 / 134 Gbps	80 / 80 / 45 Gbps	198 / 197 / 140Gbps	198 / 196 / 120 Gbps
Concurrent Sessions	7.5 Mil	8 Mil	12 Mil / 40 Mil*	24 Mil / 40 Mil
New Sessions/Sec	650,000	500,000	750,000 / 2 Mil*	1 Mil / 2 Mil
IPSec VPN	55 Gbps	48 Gbps	55 Gbps	55 Gbps
IPS (Ent. Mix)	19 Gbps	12.5 Gbps	22 Gbps	31 Gbps
NGFW (Ent. Mix)	15 Gbps	9.8 Gbps	17 Gbps	27 Gbps
Threat Protection (Ent. Mix)	13 Gbps	7.1 Gbps	15 Gbps	25 Gbps
Interfaces	2x 100GE QSFP28, 8x 25 GE SFP28, 16x 10GE SFP+, 8x 10GE RJ45, 1x 2.5 GE RJ45, 1x GE RJ45	2x 40GE QSFP+, 4x 25 GE SFP28, 4x 10 GE SFP+, 8x GE SFP, 18x GE RJ45	4x 100GE QSFP28, 12x 25 GE SFP28, 2x 10GE SFP+, 8x GE SFP, 18x GE RJ45	4x 100GE QSFP28, 16x 25GE SFP28, 16x 10GE RJ45, 2x 10GE SFP+, 2x GE RJ45
Storage	2x 480 GB (1001F)	2x 480 GB (1101E)		2x 1TB (2601F)
Variants	-	-	DC	DC

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FortiGate High End Series II: Comparison

	FG-2000E	FG-2200E	FG-2500E
Firewall (1518/512/64 byte UDP)	90 / 90 / 60 Gbps	158 / 155 / 100 Gbps	150 / 150 / 95 Gbps
Concurrent Sessions	20 Mil	24 Mil	20 Mil
New Sessions/Sec	500,000	500,000	500,000
IPSec VPN	65 Gbps	98 Gbps	65 Gbps
IPS (Ent. Mix)	11.5 Gbps	21 Gbps	11.5 Gbps
NGFW (Ent. Mix)	9 Gbps	13.5 Gbps	9 Gbps
Threat Protection (Ent. Mix)	5.4 Gbps	11 Gbps	5.4 Gbps
Interfaces	6x 10GE SPF+, 34x GE RJ45	4x 40GE QSFP+, 20x 25 GE SFP28, 14x GE RJ45	2x 10GE Bypass SFP+,10x 10GE SPF+, 34x GE RJ45
Storage	480 GB	2x 1TB (2201E)	480 GB
Variants	-	-	-

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FortiGate High End Series II: Comparison

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	FG-3300E	FG-3400E	FG-3600E
Firewall (1518/512/64 byte UDP)	160 / 158 / 100 Gbps	240 / 238 /150 Gbps	240 / 240 /150 Gbps
Concurrent Sessions	50 Million	50 Million	50 Million
New Sessions/Sec	700,000	850,000	950,000
IPSec VPN	98 Gbps	140 Gbps	140 Gbps
IPS (Ent. Mix)	27 Gbps	44 Gbps	55 Gbps
NGFW (Ent. Mix)	23 Gbps	34 Gbps	40 Gbps
Threat Protection (Ent. Mix)	17 Gbps	25 Gbps	30 Gbps
Interfaces	4x 40GE QSFP+, 16x 25 GE SFP28, 4x 10GE RJ45, 14x GE RJ45	4x 100GE QSFP28 , 24x 25GE SFP28, 2x GE RJ45	6x 100GE QSFP28 , 32x 25GE SFP28, 2x GE RJ45
Storage	2x 1TB (3301E)	2x 2TB (3401E)	2x 2TB (3601E)
Variants	-	DC	-

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FortiGate High End Series III: Comparison

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	FG-3000F	FG-3200F	FG-3500F	FG-3700F
Firewall (1518/512/64 byte UDP)	397 / 389 / 221 Gbps	387/385/178.5 Gbps	595 / 590 / 420 Gbps	589 / 589 / 420 Gbps
Concurrent Sessions	70 Million 230 Million*	70 Million	140 Million 348 Million*	140 Million
New Sessions/Sec	870,000 3 Million*	800,000	1 Million 5 Million*	930,000
IPSec VPN	105 Gbps	105 Gbps	165 Gbps	160 Gbps
IPS (Ent. Mix)	36 Gbps	63 Gbps	72 Gbps	86 Gbps
NGFW (Ent. Mix)	34 Gbps	47 Gbps	65 Gbps	80 Gbps
Threat Protection (Ent. Mix)	33 Gbps	45 Gbps	63 Gbps	75 Gbps
Interfaces	6x 100GE QSFP28, 16x 25GE SFP28, 18x 10GE RJ45	4x 400 GE QSFP-DD, 4x ULL SFP28, 12x 50 GE SFP56, 2x 10/GE RJ45	6x 100GE QSFP28 , 32x 25GE SFP28, 2x 10/GE RJ45	4x 400 GE QSFP-DD, 4x ULL SFP28, 20x 50 GE SFP56, 2x 10GE RJ45
Storage	2x 1TB (3001F)	2x 1TB (3201F)	2x 2TB (3501F)	2x 2TB (3701F)
Variants	DC	-	-	-

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FortiGate High End Series IV: Comparison

	FG-3960E	FG-3980E	FG-4200F	FG-4400F	FG-4800F
Firewall (1518/512/64 byte UDP)	620 / 610 / 370 Gbps	1.05 Tbps / 1.05 Tbps / 680 Gbps	800 / 788 / 400 Gbps	1,1500 / 1,140 / 500 Gbps	3.1 / 3.1 / 0.93 Tbps
Concurrent Sessions	160 Million	160 Million	210 Million 450 Million*	210 Million 700 Million*	280 Million 1.8 Billion*
New Sessions/Sec	720,000	800,000	1 Million 7 Million*	1 Million 10 Million*	0.915 Million 25 Million*
IPSec VPN	280 Gbps	400 Gbps	210 Gbps	310 Gbps	800 Gbps
IPS (Ent. Mix)	30 Gbps	32 Gbps	52 Gbps	94 Gbps	87 Gbps
NGFW (Ent. Mix)	22 Gbps	28 Gbps	47 Gbps	82 Gbps	77 Gbps
Threat Protection (Ent. Mix)	13.5 Gbps	20 Gbps	45 Gbps	75 Gbps	75 Gbps
Interfaces	6x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	10x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	8x 100GE QSFP28 , 18x 25GE SFP28, 2x GE RJ45	12x 100GE QSFP28 , 18x 25GE SFP28, 2x GE RJ45	8x 400GE QSFP-DD, 12x 200GE QSFP56, 12x 50GE SFP56, 2 10GE RJ45
Storage	-	-	2x 2TB (4201F)	2x 2TB (4401F)	2x 2TB (4801F)
Variants	DC	DC	DC	DC	DC

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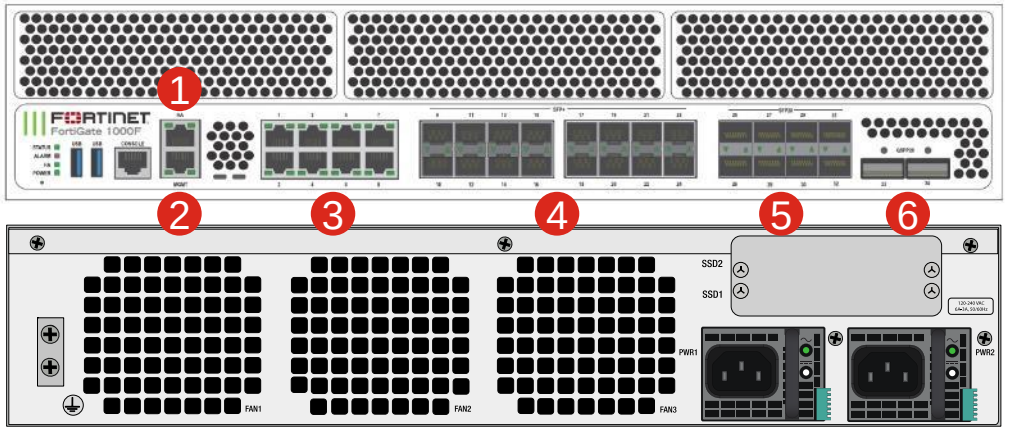
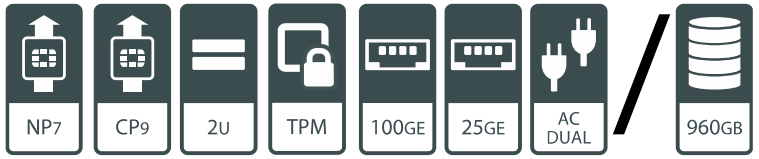
FortiGate 1000/1001F



1. 1 x 2.5GE RJ45 HA Port
2. 1 x GE RJ45 MGMT Port
3. 8 x 10GE RJ45 Ports
4. 16 x 10GE SPF+ Slots
5. 8 x 25GE SFP28 Slots
6. 2 x 100GE QSFP28 Slots



198 Gbps
Firewall throughput

19 Gbps
IPS Throughput

650,000
New Sessions/Sec

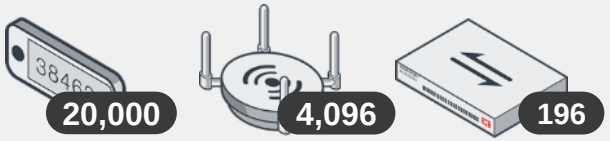
7.5 Million
Concurrent Sessions

15 Gbps
NGFW Throughput

10 Gbps
SSL Inspection Throughput

13 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG



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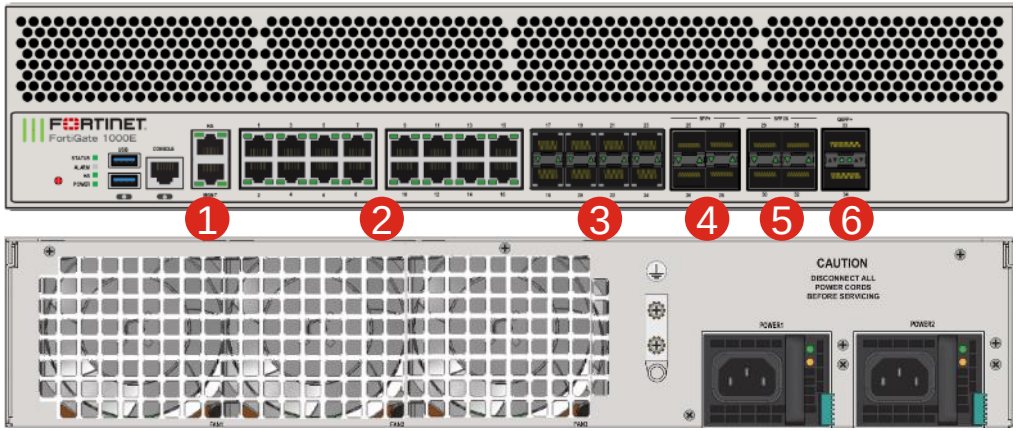
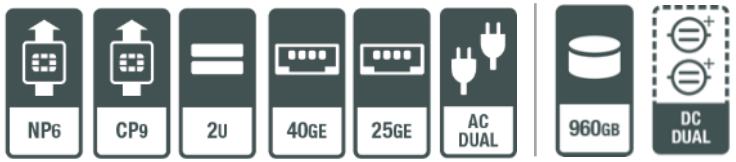
FortiGate 1100E/-DC and 1101E



1. 2 x GE RJ45 MGMT/HA Ports
2. 16 x GE RJ45 Ports
3. 8 x GE SFP Slots
4. 4 x 10GE SFP+ Slots
5. 4 x 25GE SFP28/10GE SFP+ Slots
6. 2 x 40GE QSFP+ Slots



80 Gbps
Firewall throughput

500,000
New Sessions/Sec

8 Million
Concurrent Sessions

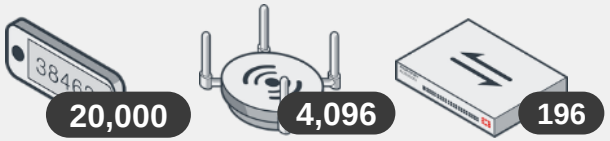
10 Gbps
SSL Inspection Throughput

12.5 Gbps
IPS Throughput

9.8 Gbps
NGFW Throughput

7.1 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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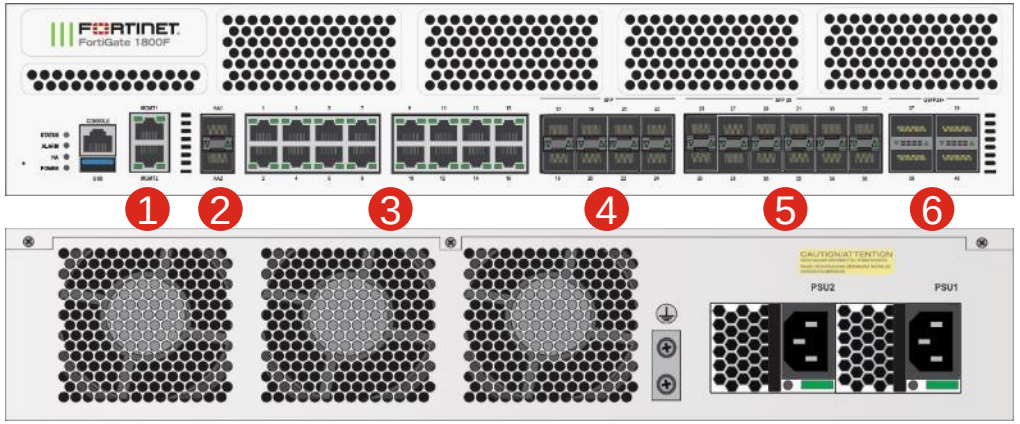
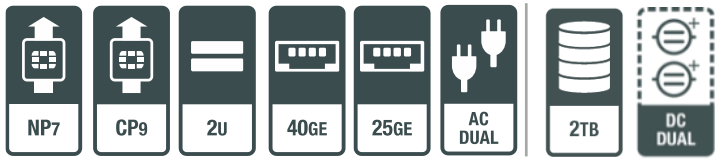
FortiGate 1800/1801F/-DC



1. 2 x GE RJ45 MGMT Ports
2. 2 x 10 GE SFP+ / GE SFP HA
3. 16 x GE RJ45 Ports
4. 8 x GE SFP Slots
5. 12 x 25GE SFP28/10GE SFP+ Slots
6. 4 x 100GE QSFP28/40GE QSFP+ Slots



198 Gbps
Firewall throughput

0.75 / 2* Mil
New Sessions/Sec

12 / 40* Mil
Concurrent Sessions

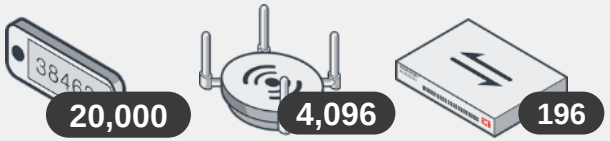
12 Gbps
SSL Inspection Throughput

22 Gbps
IPS Throughput

17 Gbps
NGFW Throughput

15 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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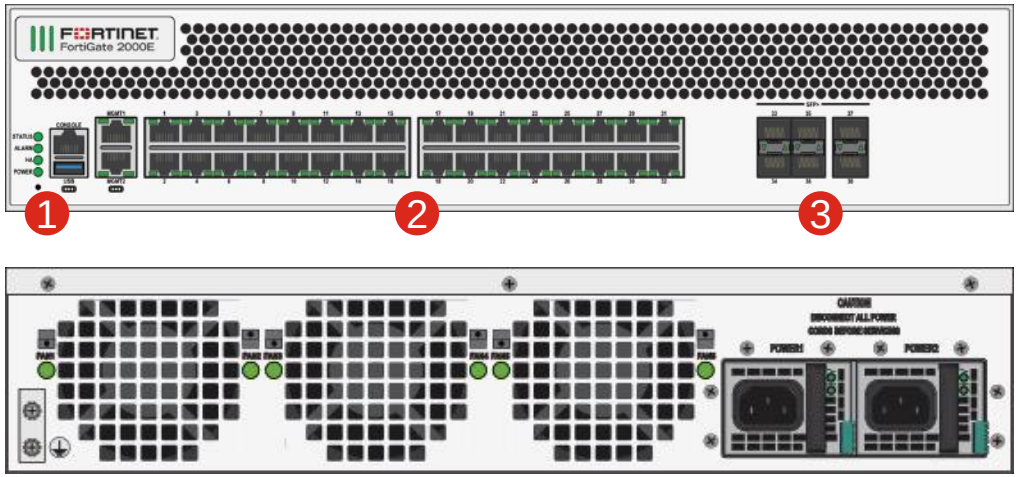
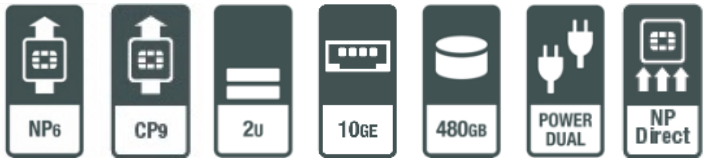
FortiGate 2000E



① 2x GE RJ45 Management Ports
② 32x GE RJ45 Ports
③ 6x 10GE SFP+ Slots



90 Gbps
Firewall throughput

500,000
New Sessions/Sec

20 Million
Concurrent Sessions

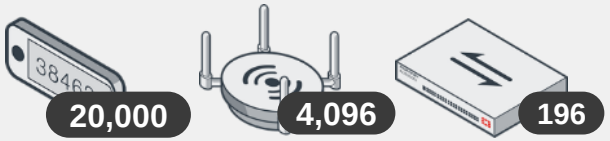
9.4 Gbps
SSL Inspection Throughput

11.5 Gbps
IPS Throughput

9 Gbps
NGFW Throughput

5.4 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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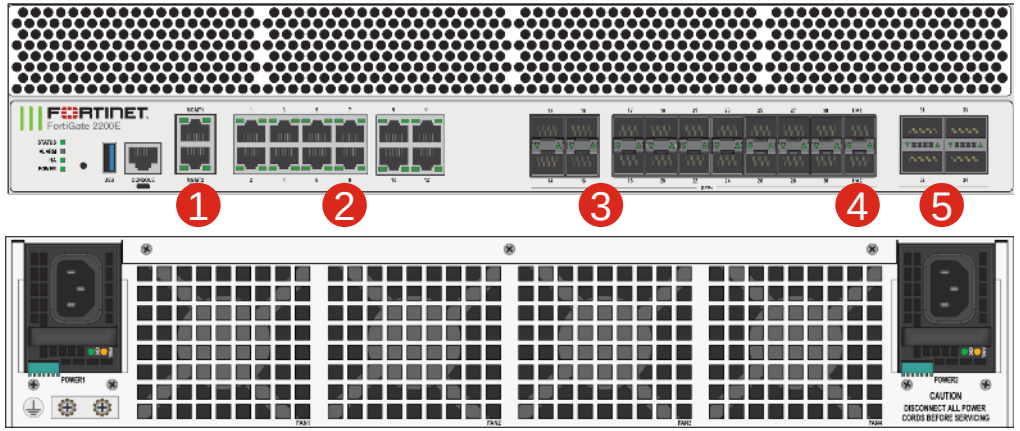
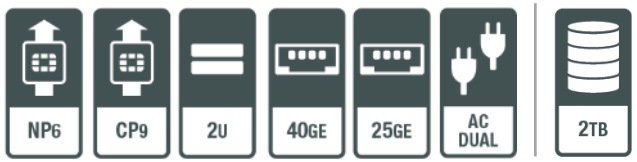
FortiGate 2200/2201E



1. 2 x GE RJ45 MGMT Ports
2. 12 x GE RJ45 Ports
3. 18 x 25GE SFP28/10GE SFP+ Slots
4. 2 x 25GE SFP28/10GE SFP+ HA Slots
5. 4 x 40GE QSFP+ Slots



158 Gbps
Firewall throughput

500,000
New Sessions/Sec

24 Million
Concurrent Sessions

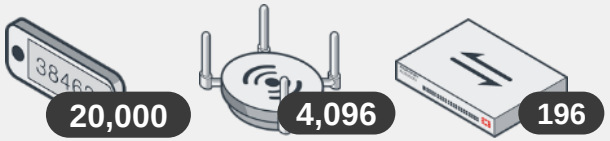
17 Gbps
SSL Inspection Throughput

21 Gbps
IPS Throughput

13.5 Gbps
NGFW Throughput

11 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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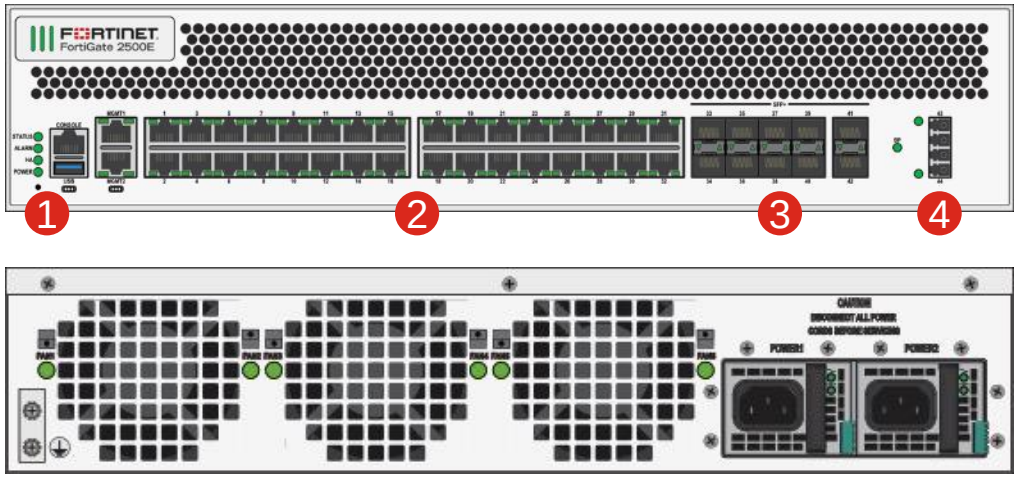
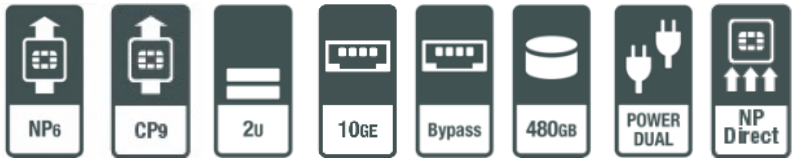
FortiGate 2500E



① 2x GE RJ45 Management Ports
② 32x GE RJ45 Ports
③ 10x 10GE SFP+ Slots
④ 2x 10GE SFP+ SR Bypass (LC Connector)



150 Gbps
Firewall throughput

500,000
New Sessions/Sec

20 Million
Concurrent Sessions

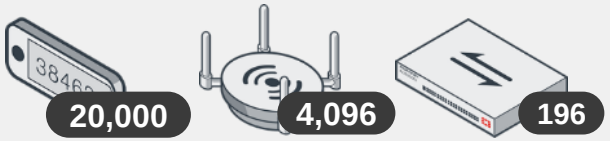
9.4 Gbps
SSL Inspection Throughput

11.5 Gbps
IPS Throughput

9 Gbps
NGFW Throughput

5.4 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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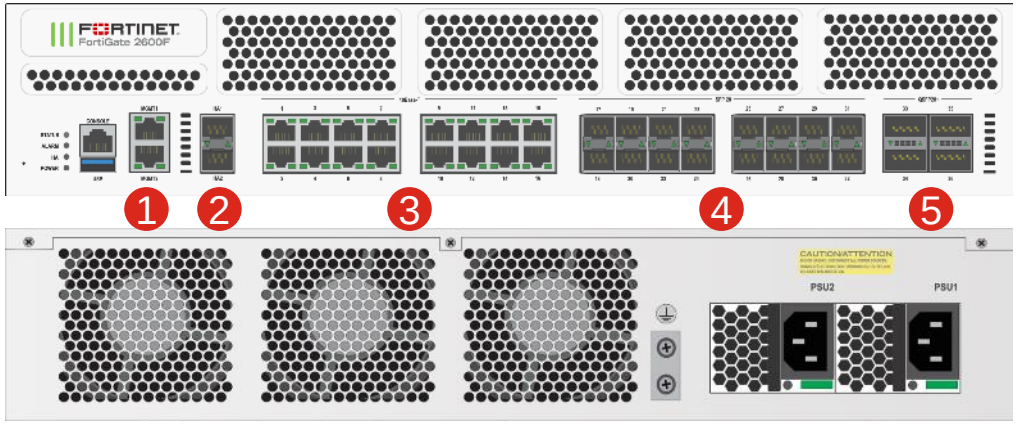
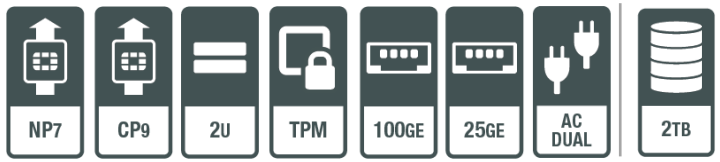
FortiGate 2600/2601F



1. 2 x GE RJ45 MGMT Ports
2. 2 x 10GE SFP+/GE SFP Slots
3. 16 x 10GE RJ45 Ports
4. 16 x 25GE SFP28/10GE SFP+/GE SFP Slots
5. 4 x 100GE QSFP28 / 40GE QSFP+ Slots



198 Gbps
Firewall throughput

1 / 2* Mil
New Sessions/Sec

24 / 40* Mil
Concurrent Sessions

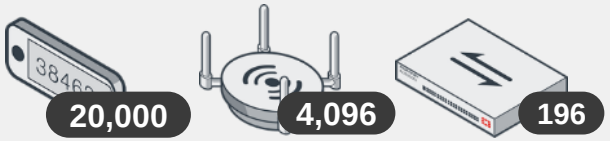
20 Gbps
SSL Inspection Throughput

31 Gbps
IPS Throughput

27 Gbps
NGFW Throughput

25 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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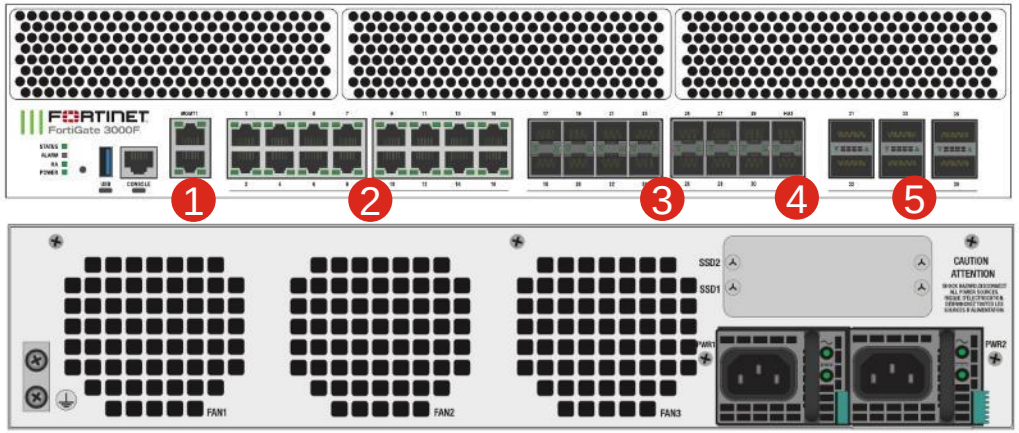
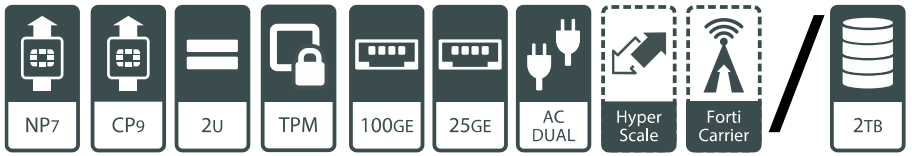
FortiGate 3000/3001F/-DC



1. 2x 10GE/GE RJ45 Management Ports
2. 16x 10GE/GE RJ45 Ports
3. 14x 25GE SFP28/10GE SFP+/GE SFP Slots
4. 2 25GE SFP28/10GE SFP+/GE SFP HA Slots
5. 6x 100GE QSFP28/40GE QSFP+ Slots



397 Gbps
Firewall throughput

0.87 / 3* Mil
New Sessions/Sec

70 / 230* Mil
Concurrent Sessions

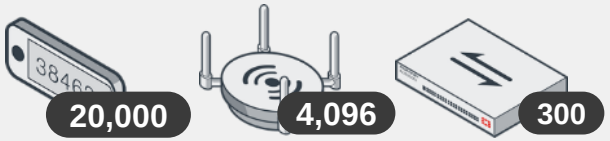
29 Gbps
SSL Inspection Throughput

36 Gbps
IPS Throughput

34 Gbps
NGFW Throughput

33 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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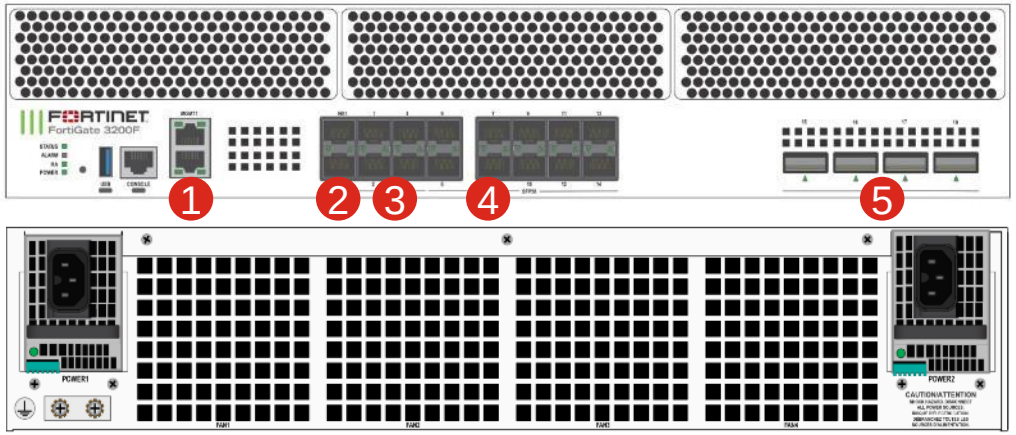
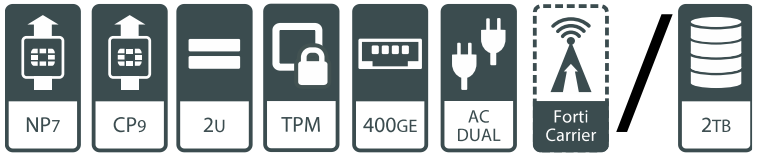
FortiGate 3200/3201F



1. 2x 10GE/GE RJ45 Management Ports
2. 2x 50/25/10GE SFP56/SFP28/SFP+ HA Slots
3. 4x 25/10/GE SFP28/SFP+/SFP ULL Slots
4. 10x 50/25/10GE SFP56/SFP28/SFP+ Slots
5. 4x 400/200/100/40GE QSFP-DD/QSFP56 /QSFP28/QSFP+ Slots



387 Gbps
Firewall throughput

63 Gbps
IPS Throughput

800,000
New Sessions/Sec

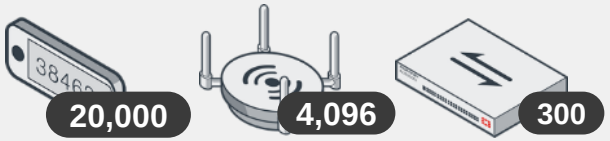
70 Million
Concurrent Sessions

47 Gbps
NGFW Throughput

29 Gbps
SSL Inspection Throughput

45 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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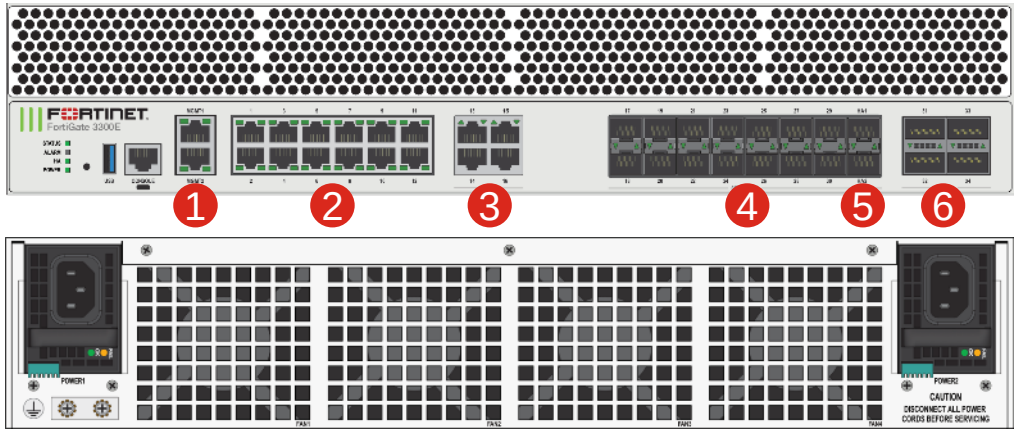
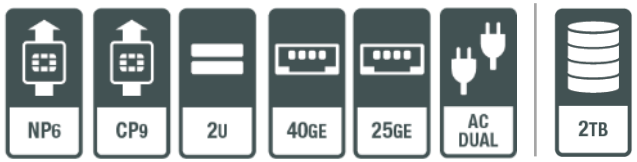
FortiGate 3300/3301E



1. 2 x GE RJ45 MGMT/HA Ports
2. 12 x GE RJ45 Ports
3. 4 x 10GE RJ45 Ports
4. 14 x 25GE SFP28/10GE SFP+ Slots
5. 2 x 25GE SFP28/10GE SFP+ HA Slots
6. 4x 40GE QSFP+ Slots



160 Gbps
Firewall throughput

700,000
New Sessions/Sec

50 Million
Concurrent Sessions

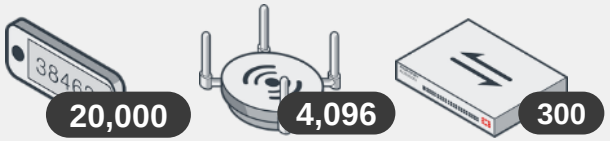
21 Gbps
SSL Inspection Throughput

27 Gbps
IPS Throughput

23 Gbps
NGFW Throughput

17 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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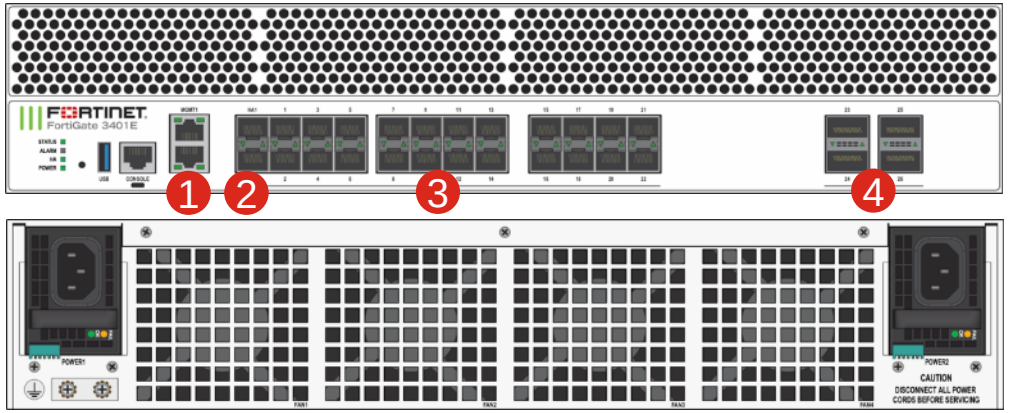
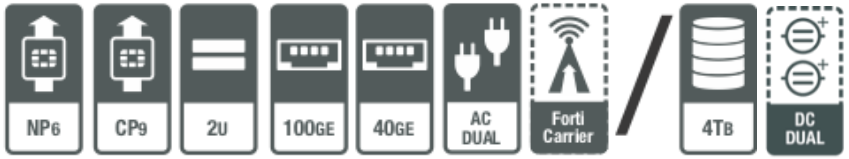
FortiGate 3400/3401E/-DC



1. 2x GE RJ45 Management Ports
2. 2x 10GE SFP+/GE HA SFP Slots
3. 22x 25GE SFP28/10GE SFP+/GE SFP Slots
4. 4x 100GE QSFP28 / 40GE QSFP+ Slots



240 Gbps
Firewall throughput

850,000
New Sessions/Sec

50 Million
Concurrent Sessions

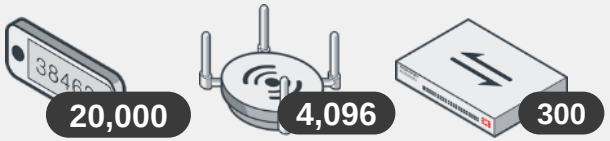
30 Gbps
SSL Inspection Throughput

44 Gbps
IPS Throughput

34 Gbps
NGFW Throughput

25 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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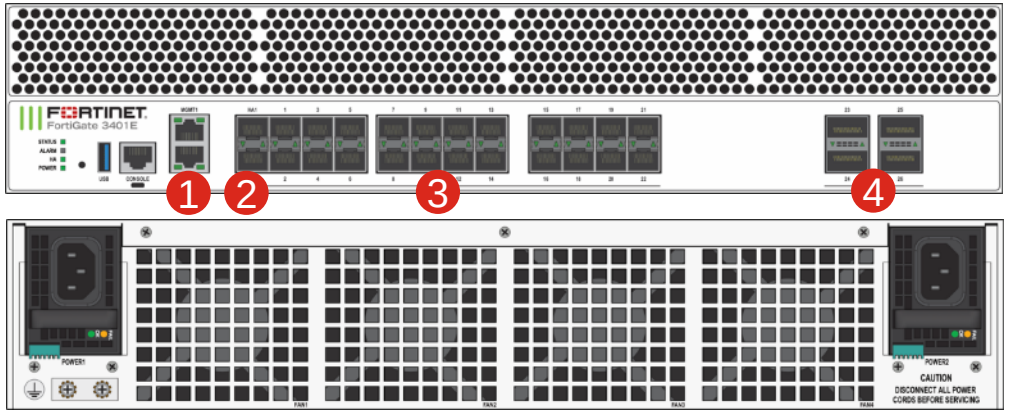
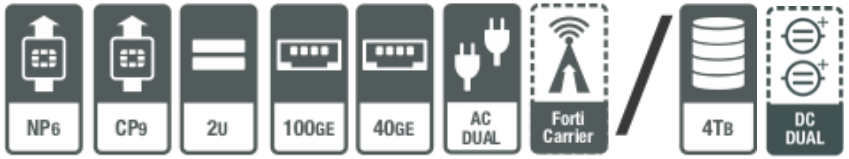
FortiGate 3400/3401E/-DC



1. 2x GE RJ45 Management Ports
2. 2x 10GE SFP+/GE HA SFP Slots
3. 22x 25GE SFP28/10GE SFP+/GE SFP Slots
4. 4x 100GE QSFP28 / 40GE QSFP+ Slots



240 Gbps
Firewall throughput

850,000
New Sessions/Sec

50 Million
Concurrent Sessions

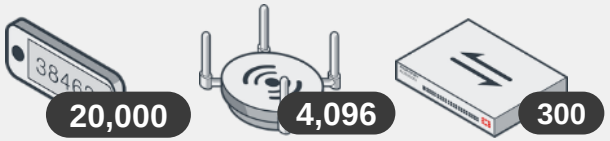
30 Gbps
SSL Inspection Throughput

44 Gbps
IPS Throughput

34 Gbps
NGFW Throughput

25 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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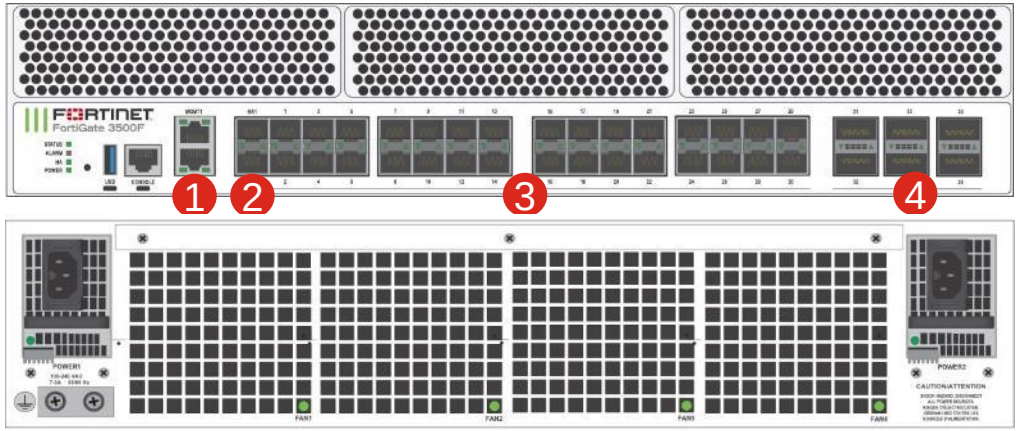
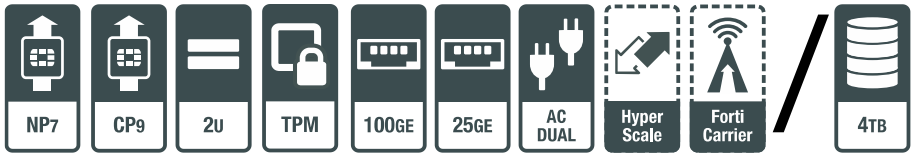
FortiGate 3500/3501F



1. 2x 10GE/GE RJ45 Management Ports
2. 2x 25GE SFP28/10GE SFP+ HA Slots
3. 30x 25GE SFP28/10GE SFP+/GE SFP Slots
4. 6x 100GE QSFP28/40GE QSFP+ Slots



595 Gbps
Firewall throughput

1 / 5* Mil
New Sessions/Sec

140 / 348 Mil
Concurrent Sessions

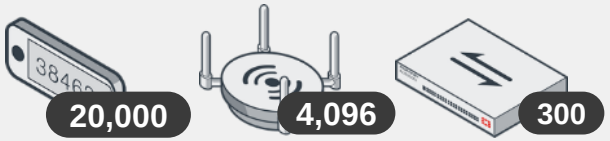
63 Gbps
SSL Inspection Throughput

72 Gbps
IPS Throughput

65 Gbps
NGFW Throughput

63 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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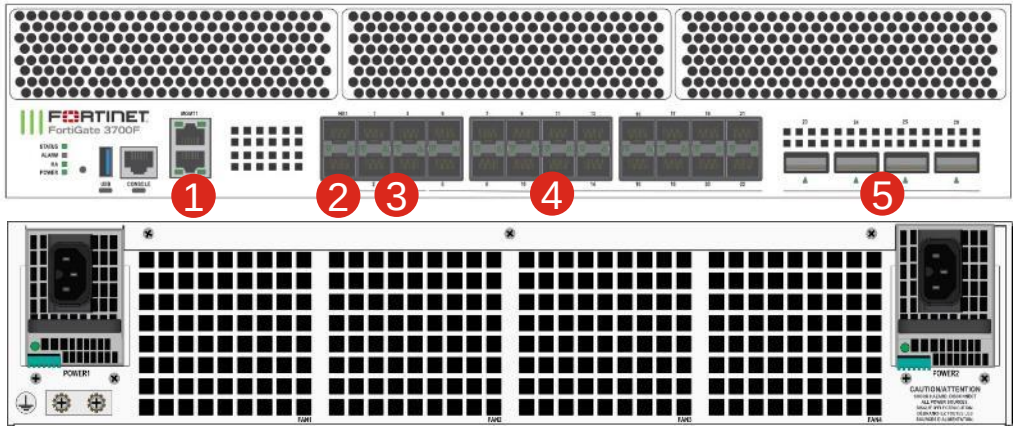
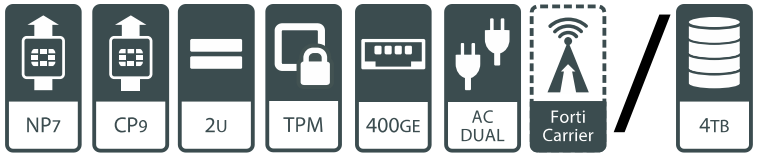
FortiGate 3700/3701F



1. 2x 10GE/GE RJ45 Management Ports
2. 2x 50GE SFP56/ 25GE SFP28 /10GE SFP+ HA Slots
3. 4x 25GE SFP28/10GE SFP+/GE SFP ULL Slots
4. 18x 50GE SFP56/ 25GE SFP28 /10GE SFP+
5. 4x 400GE QSFP-DD/ 200GE QSFP56/ 100GE QSFP28/40GE QSFP+ Slots



589 Gbps
Firewall throughput

930,000
New Sessions/Sec

140 Mil
Concurrent Sessions

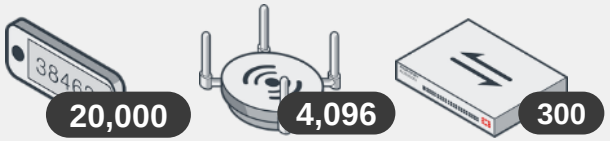
55 Gbps
SSL Inspection Throughput

86 Gbps
IPS Throughput

80 Gbps
NGFW Throughput

75 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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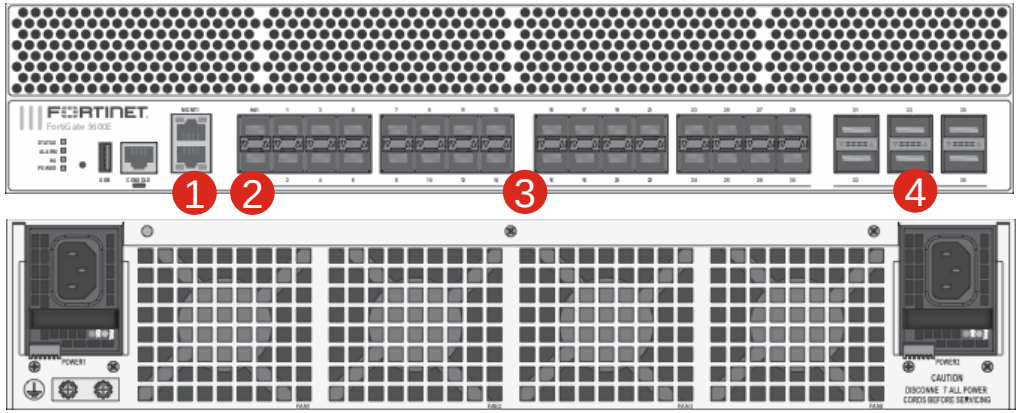
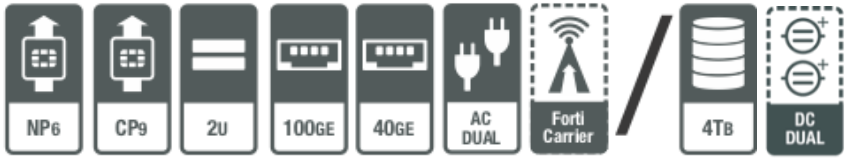
FortiGate 3600E/-DC and 3601E



1. 2x GE RJ45 Management Ports
2. 2x 10GE SFP+/GE HA SFP Slots
3. 30x 25GE SFP28/10GE SFP+/GE SFP Slots
4. 6x 100GE QSFP28 / 40GE QSFP+ Slots



240 Gbps
Firewall throughput

950,000
New Sessions/Sec

50 Million
Concurrent Sessions

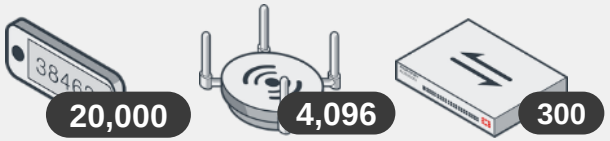
34 Gbps
SSL Inspection Throughput

55 Gbps
IPS Throughput

40 Gbps
NGFW Throughput

30 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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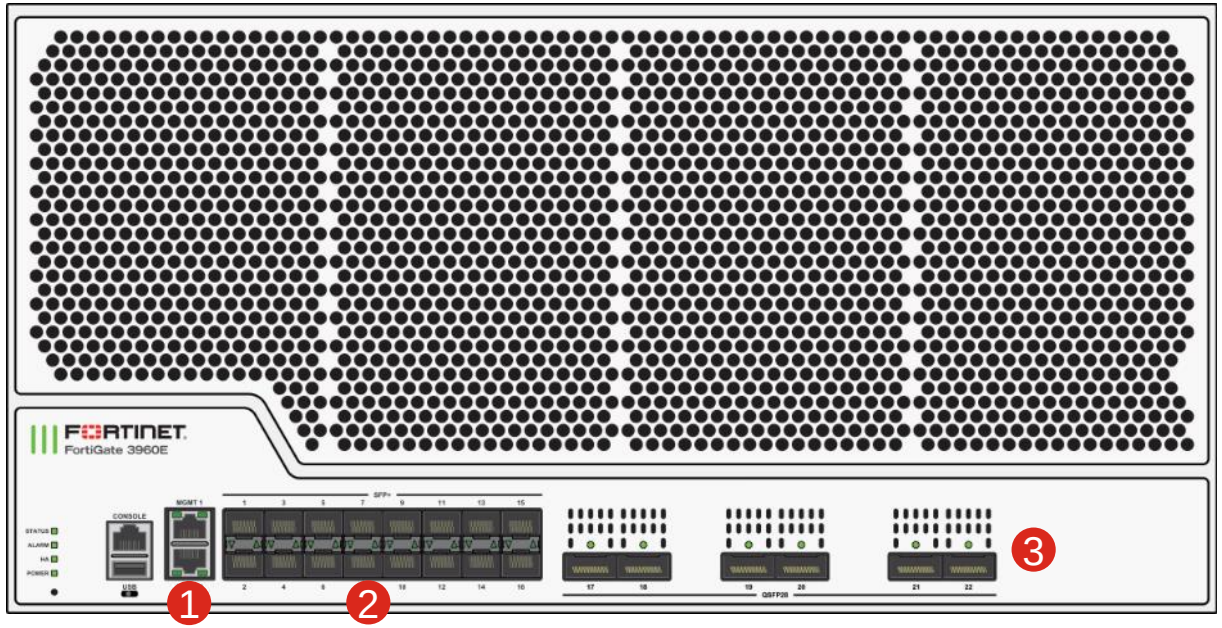
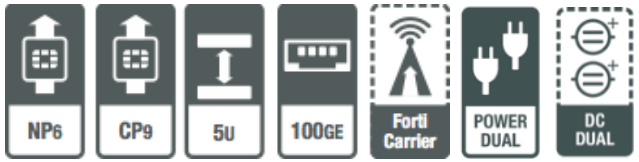
FortiGate 3960E/-DC



① 2 x GE RJ45 Management Ports
② 16 x GE/10GE SFP/SFP+ Slots
③ 6x 100GE QSFP28 Slots



620 Gbps
Firewall throughput

720,000
New Sessions/Sec

160 Million
Concurrent Sessions

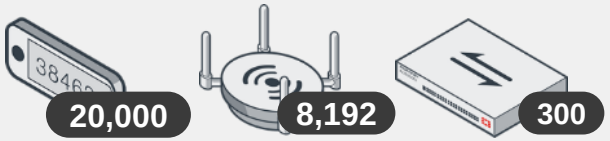
23 Gbps
SSL Inspection Throughput

30 Gbps
IPS Throughput

22 Gbps
NGFW Throughput

13.5 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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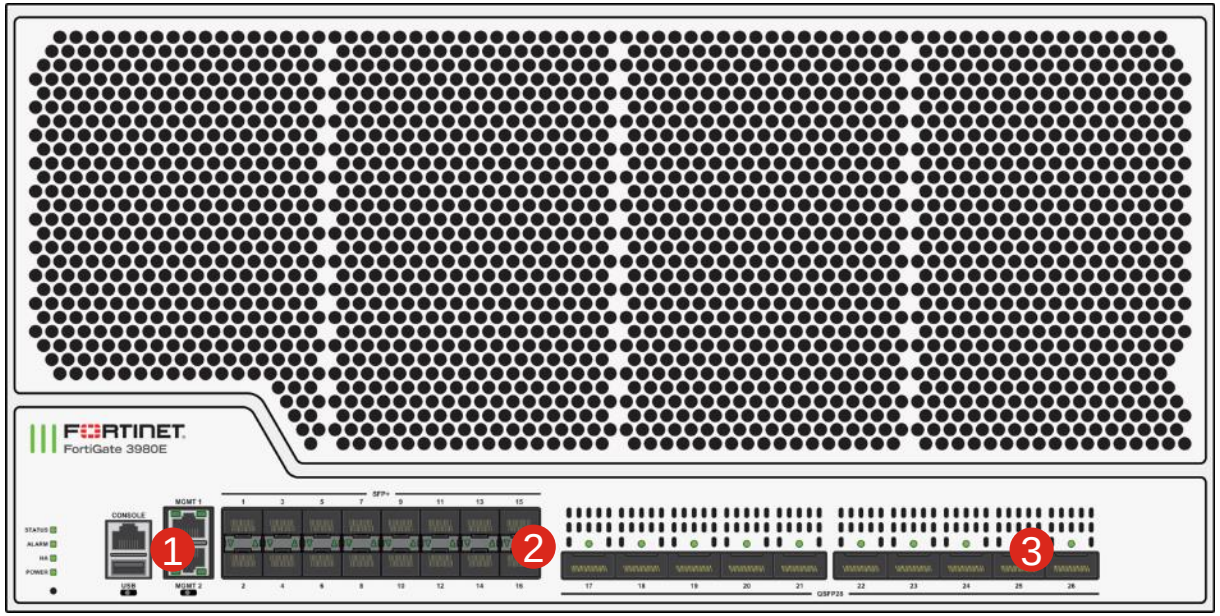
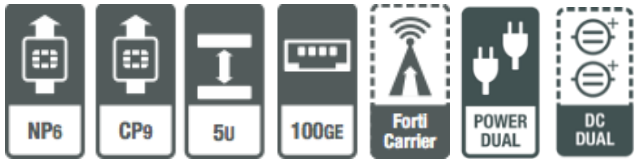
FortiGate 3980E/-DC



① 2 x GE RJ45 Management Ports
② 16 x GE/10GE SFP/SFP+ Slots
③ 10x 100GE QSFP28 Slots



1.06 Tbps
Firewall throughput

32 Gbps
IPS Throughput

800,000
New Sessions/Sec

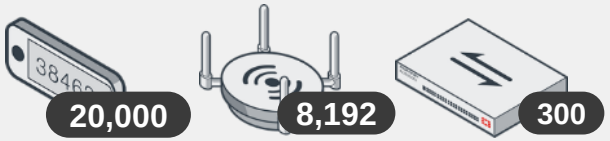
160 Million
Concurrent Sessions

28 Gbps
NGFW Throughput

26 Gbps
SSL Inspection Throughput

20 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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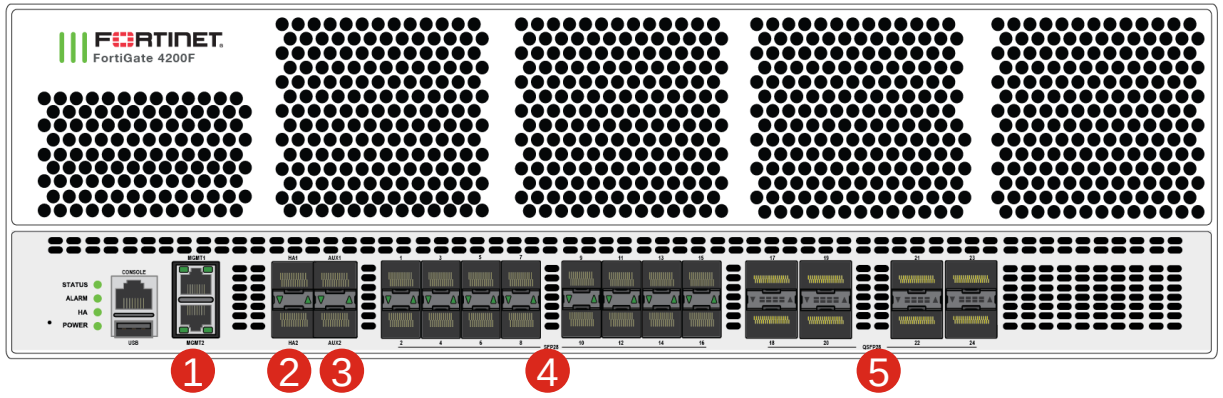
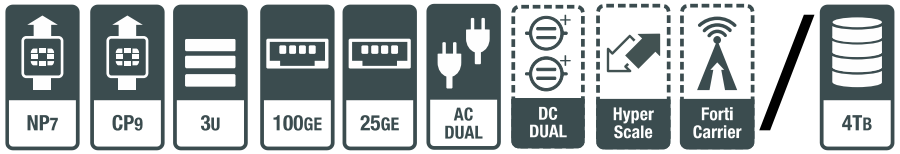
FortiGate 4200/4201F-DC



1. 2 x GE RJ45 Management Ports
2. 2 x 25GE SFP28/10GE SFP+/GE SFP HA Slots
3. 2 x 25GE SFP28/10GE SFP+/GE SFP AUX Slots
4. 16x 25GE SFP28/10GE SFP+/GE SFP Slots
5. 8x 100GE QSFP28 / 40GE QSFP+ Slots



800 Gbps
Firewall throughput

52 Gbps
IPS Throughput

1 / 7* Mil
New Sessions/Sec

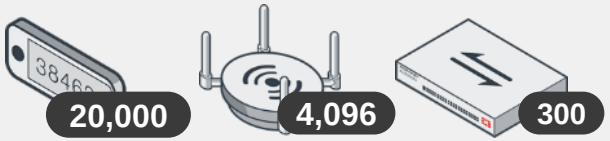
210 / 450* Mil
Concurrent Sessions

47 Gbps
NGFW Throughput

50 Gbps
SSL Inspection Throughput

45 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / CGN / Mobile Security



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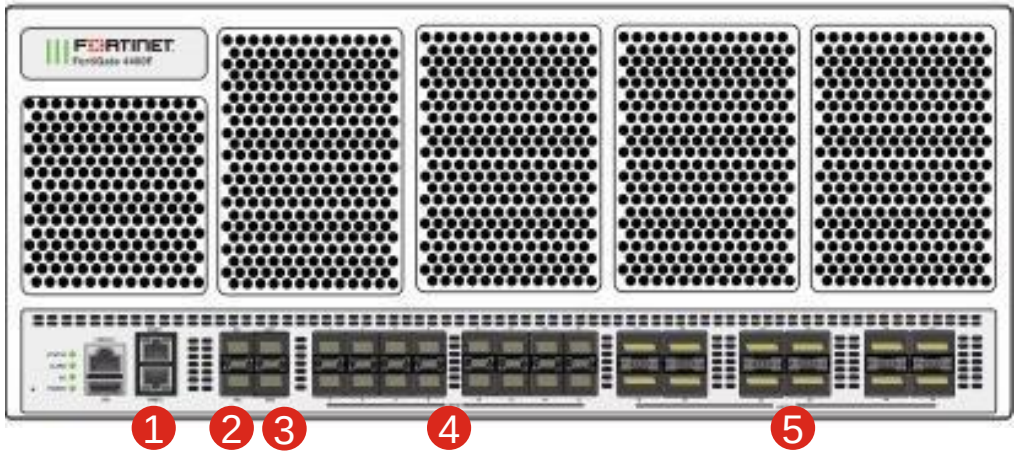
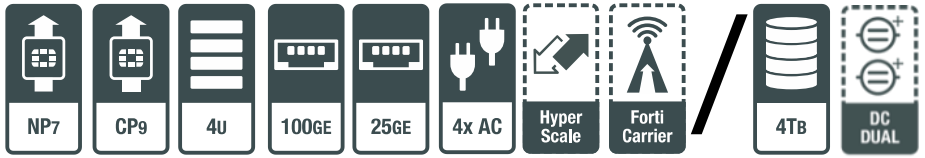
FortiGate 4400/4401F-DC



1. 2 x GE RJ45 MGMT Ports
2. 2 x 25GE SFP28/10GE SFP+/GE HA Slots
3. 2 x 25GE SFP28/10GE SFP+/GE AUX Slots
4. 16 x 25GE SFP28/10GE SFP+/GE Slots
5. 12 x 100 GE QSFP28 / 40 GE QSFP+ Slots



1.15 Tbps
Firewall throughput

94 Gbps
IPS Throughput

1 / 10* Mil
New Sessions/Sec

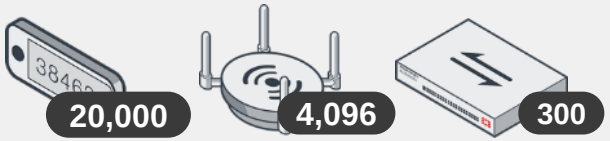
210 / 700* Mil
Concurrent Sessions

82 Gbps
NGFW Throughput

86 Gbps
SSL Inspection Throughput

75 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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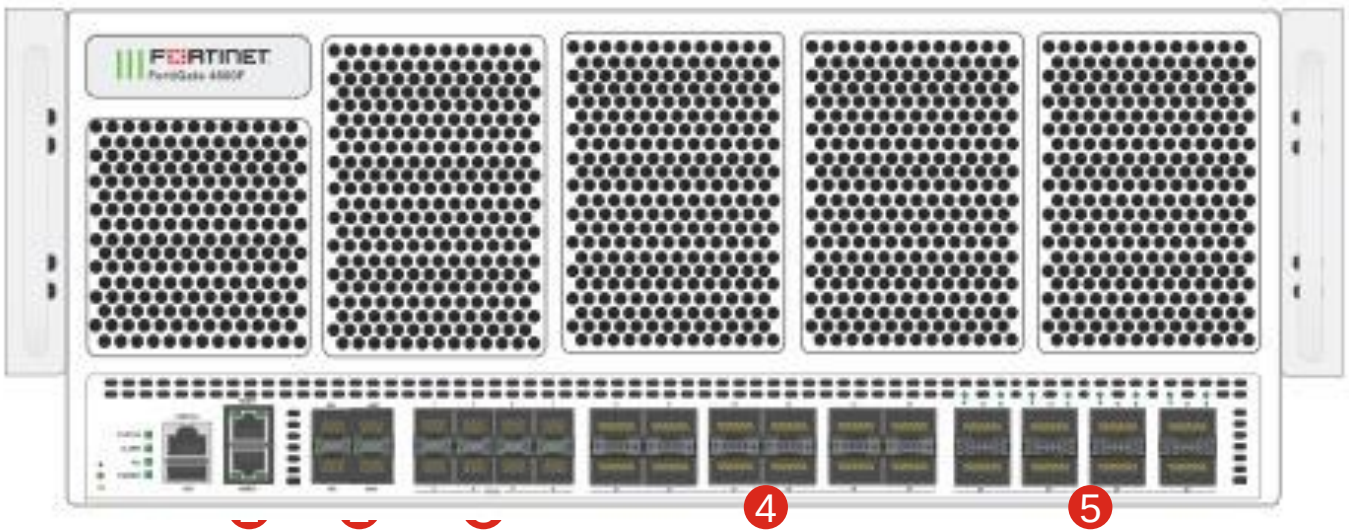
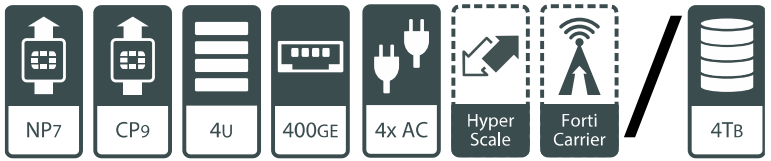
FortiGate 4800/4801F/-DC



1. 2 x GE RJ45 Management Ports
2. 4 x 50/25/10/GE SFP56/SFP28/SFP+/SFP HA/AUX Slots
3. 8 x 50/25/10/GE SFP56/SFP28/SFP+/SFP Slots
4. 12x 200GE/100GE/40GE QSFP56/QSFP28/SFP28 Slots
5. 8x 400GE/200GE QSFP-DD Slots



3.1 Tbps
Firewall throughput

87 Gbps
IPS Throughput

0.9 / 25 Mil
New Sessions/Sec

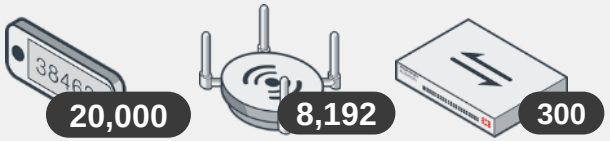
0.28 / 1.8 Bil
Concurrent Sessions

77 Gbps
NGFW Throughput

63 Gbps
SSL Inspection Throughput

75 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security



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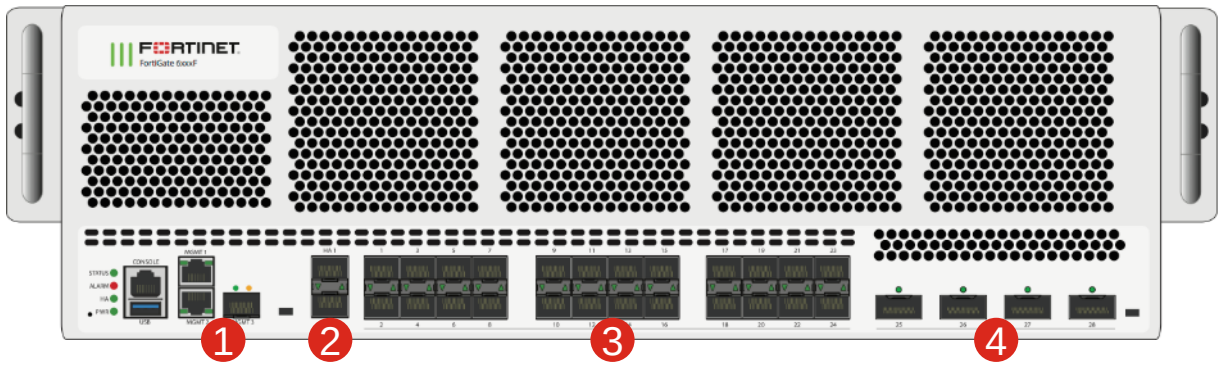
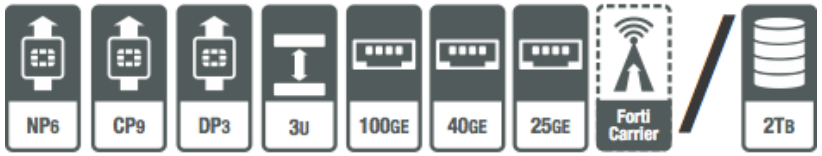
FortiGate 6300/6301F/-DC



1. 2 x GE RJ45, 1x 10 GE SFP+ Management Ports
2. 2 x 10 GE SFP+ HA Slots
3. 24x 1/10/25 GE SFP/SFP+/SFP28 Slots
4. 4x 40/100 GE QSFP+/QSFP28 Slots



239 Gbps
Firewall throughput

2 Million
New Sessions/Sec

120 Million
Concurrent Sessions

66 Gbps
SSL Inspection Throughput

110 Gbps
IPS Throughput

90 Gbps
NGFW Throughput

60 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

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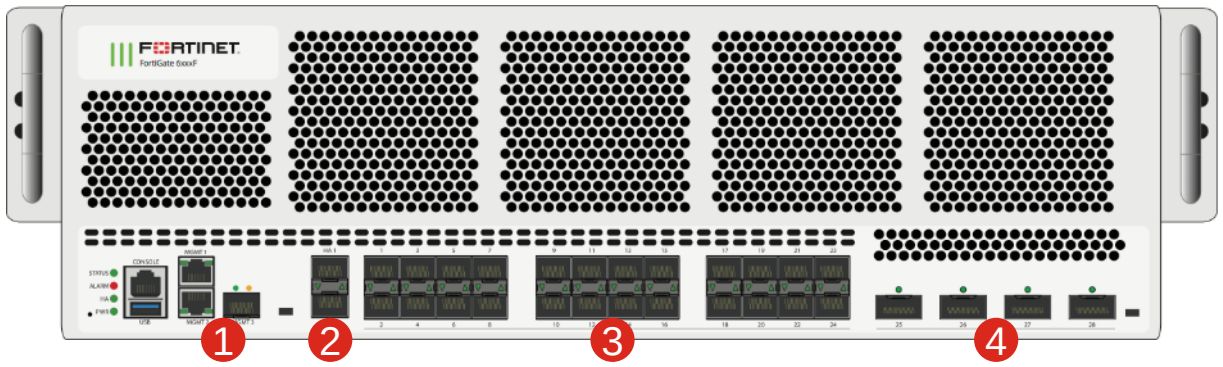
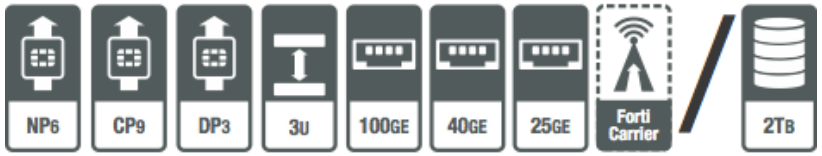
FortiGate 6500/6501F/-DC



1. 2 x GE RJ45, 1x 10 GE SFP+ Management Ports
2. 2 x 10 GE SFP+ HA Slots
3. 24x 1/10/25 GE SFP/SFP+/SFP28 Slots
4. 4x 40/100 GE QSFP+/QSFP28 Slots



239 Gbps
Firewall throughput

170 Gbps
IPS Throughput

3 Million
New Sessions/Sec

200 Million
Concurrent Sessions

150 Gbps
NGFW Throughput

110 Gbps
SSL Inspection Throughput

100 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

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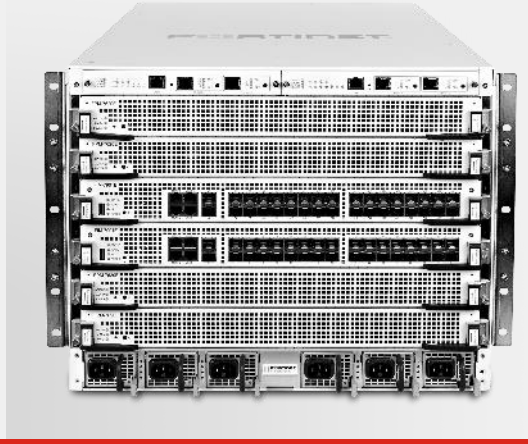
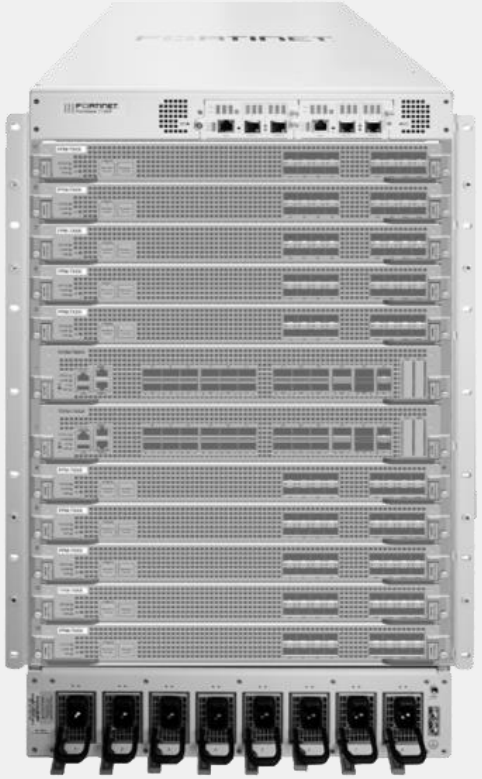
FortiGate 7000F Series: At a Glance

Evolution of the High-end Next Generation Security Chassis





	FG-7030E	FG-7040E-8	FG-7040E-9	FG-7060E-8	FG-7060E-9	FG-7120F/-2
Form Factor	6 U, 3 slot	6 U, 4 slot		8 U, 6 slot		16 U, 12 slot
SPU	8x NP6 16x CP9	8x NP6 16x CP9		16x NP6 32x CP9		30x NP7 80x CP9
FW Throughput	155 Gbps	315 Gbps		630 Gbps		1.89 Tbps
TP Throughput	35 Gbps	40 Gbps	48 Gbps	80 Gbps	96 Gbps	520 Gbps

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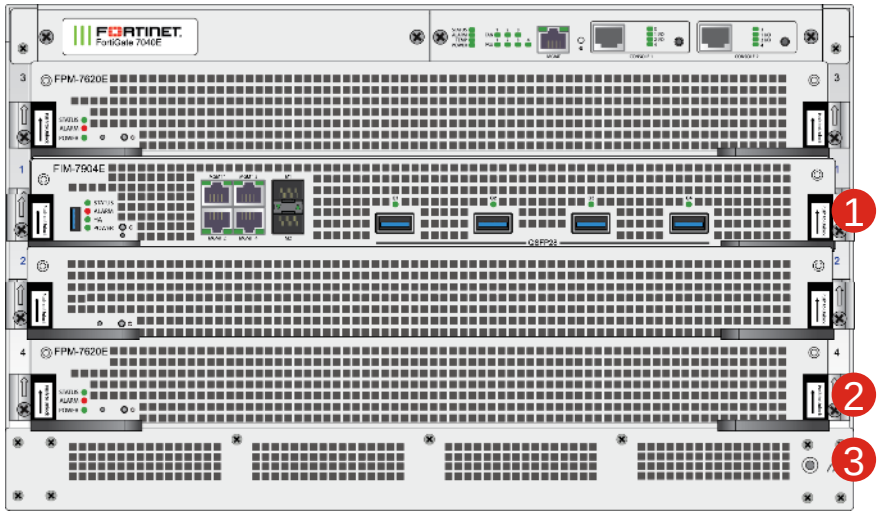
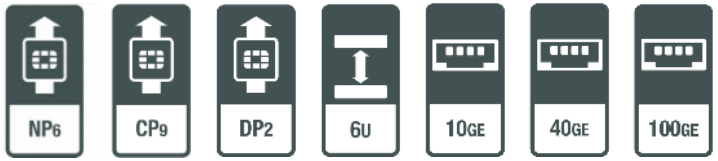
FortiGate 7030E



1. 1 x FIM
2. 2 x Processing Module Slots
3. 3 (+1 optional) Hot Swappable Redundant PS



115 Gbps
Firewall throughput

60 Gbps
IPS Throughput

900,000
New Sessions/Sec

160 Million
Concurrent Sessions

50 Gbps
NGFW Throughput

39.9 Gbps
SSL Inspection Throughput

35 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

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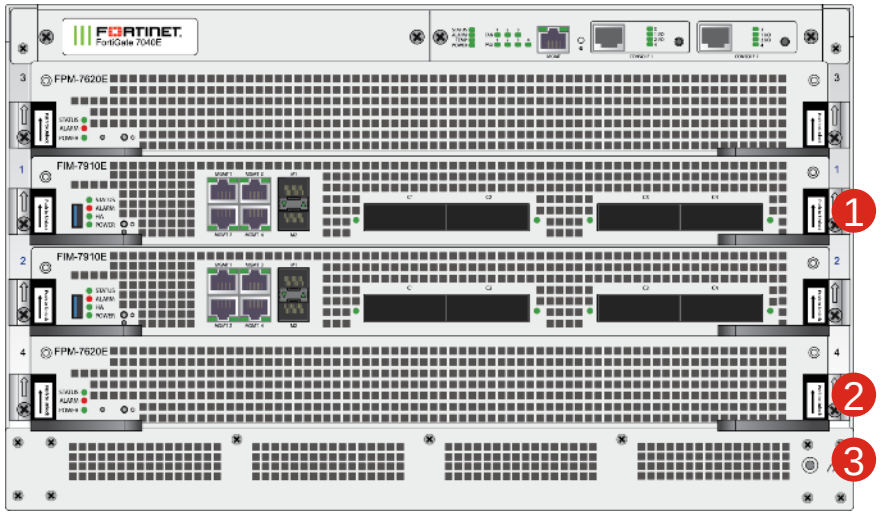
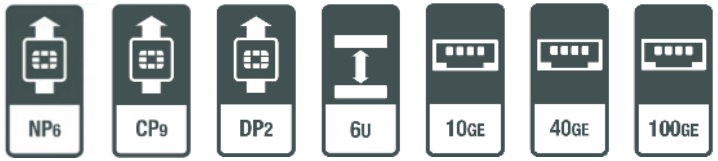
FortiGate 7040E-8/-9/-DC*



① 2 x I/O Module Slots
② 2 x Processing Module Slots
③ 3 (+1 optional) Hot Swappable Redundant PS



315 Gbps
Firewall throughput

0.95/ 1 Mil
New Sessions/Sec

160 Million
Concurrent Sessions

39.9 / 60 Gbps
SSL Inspection Throughput

60 / 100 Gbps
IPS Throughput

50 / 60 Gbps
NGFW Throughput

40 / 48 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

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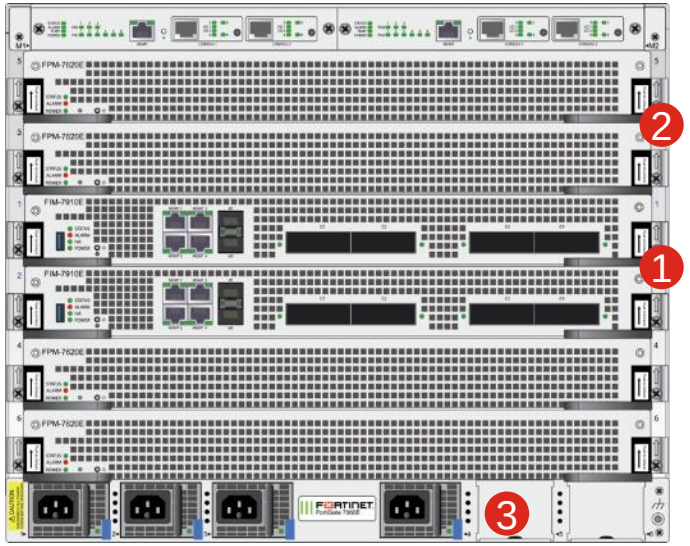
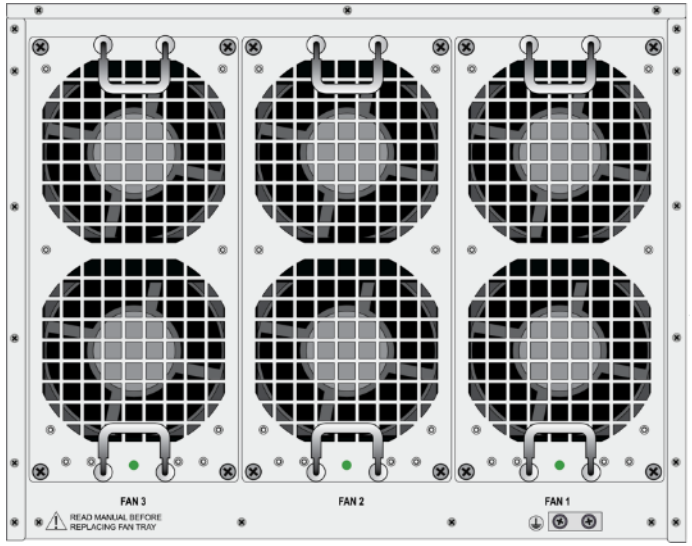
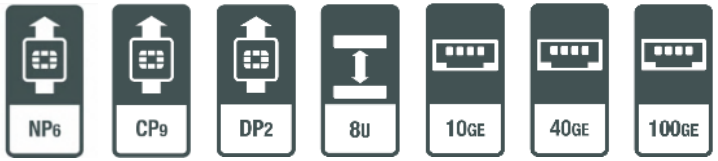
** Specs with fully-populated FPMs*

FortiGate 7060E-8/-9/-DC*





1. 2 x I/O Module Slots
2. 2 +2 optional Processing Module Slots
3. 4 +2 optional Hot Swappable Redundant PS



630 Gbps
Firewall throughput

1.8 / 2 Mil
New Sessions/Sec

320 Million
Concurrent Sessions

79.9 /120 Gbps
SSL Inspection Throughput

120 / 200 Gbps
IPS Throughput

100 / 120 Gbps
NGFW Throughput

80 / 96 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

** Specs with fully-populated FPMs*

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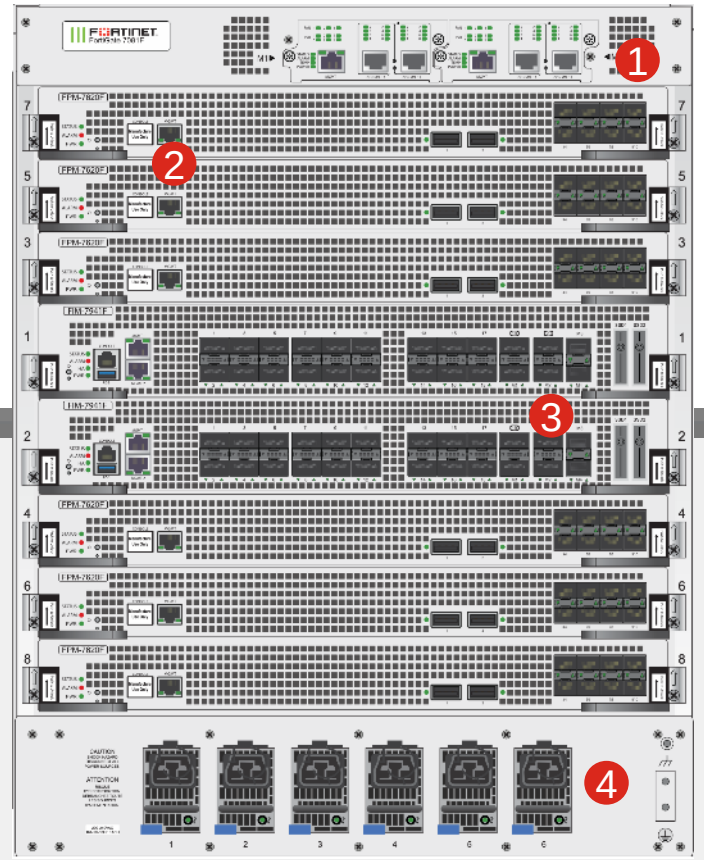
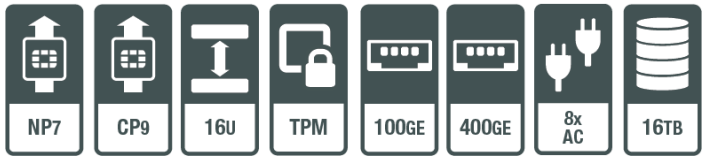
FortiGate 7081F/-DC/-2



1. 2 x Management Modules
2. 6 x FPM-7620F Processing Modules
3. 2 x FIM-7921F or FIM-7941F I/O Modules
4. 6 x Hot Swappable Redundant PS



1.89 Tbps
Firewall throughput

405 Gbps
IPS Throughput

5.4 Mil
New Sessions/Sec

600 Million
Concurrent Sessions

330 Gbps
NGFW Throughput

324 Gbps
SSL Inspection Throughput

312 Gbps
Threat Protection Throughput

** Specs with fully populated FPMs*

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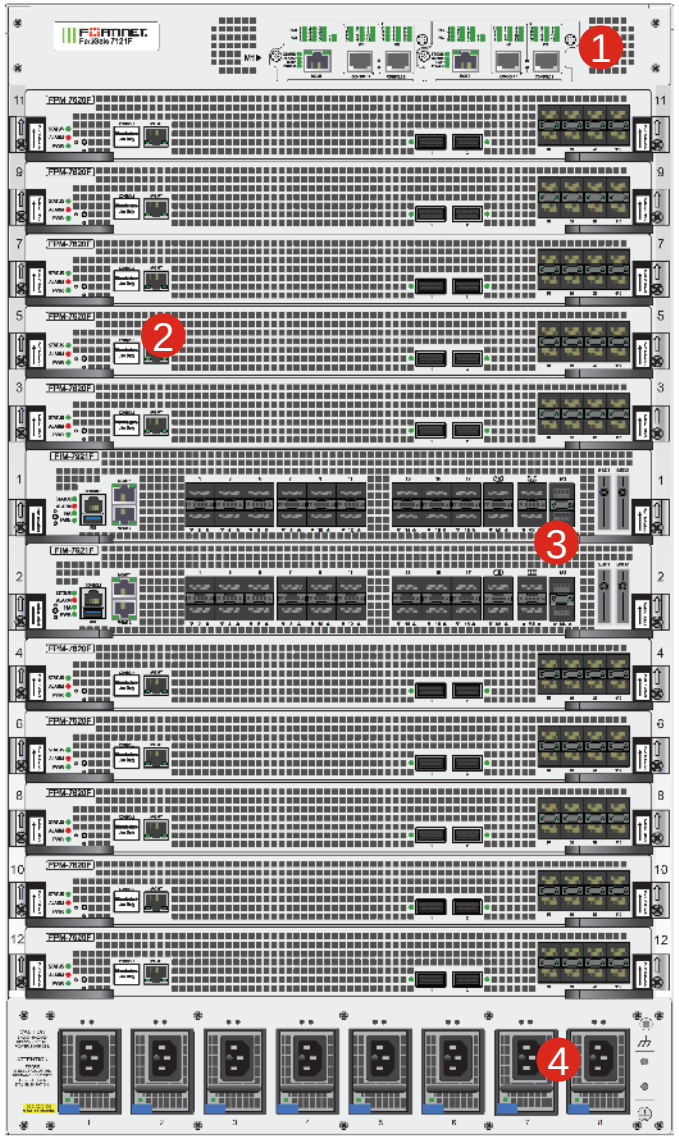
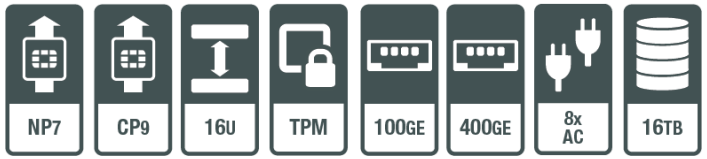
FortiGate 7121F/-DC/-2



① 2 x Management Modules
② 10 x FPM-7620F Processing Modules
③ 2 x FIM-7921F or FIM-7941F I/O Modules
④ 8 x Hot Swappable Redundant PS



1.89 Tbps
Firewall throughput

675 Gbps
IPS Throughput

9 Mil
New Sessions/Sec

1 Billion
Concurrent Sessions

550 Gbps
NGFW Throughput

675 Gbps
SSL Inspection Throughput

520 Gbps
Threat Protection Throughput

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** Specs with fully populated FPMs*

FortiGate 7000 Series Bundle

	FPM-7620E	FPM-7630E	FPM-7620F	FIM-7901E	FIM-7904E	FIM-7910E	FIM-7920E	FIM-7921F	FIM-7941F
Network Interfaces	-	-	-	32x GE/10 GE SFP/+	8x 40 GE QSFP+	4x 100 GE CFP2	4x 100 GE QSFP28	18x 100 GE QSFP28	18x 100 GE QSFP28
Base Channel Interfaces	-	-	-	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+	2x 100 GE QSFP28, 2x 25 GE SFP28	2x 100 GE QSFP28, 2x 25 GE SFP28
Management Interfaces	-	-	-	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45	2x GE RJ45	2x GE RJ45
Storage	-	-	-	-	-	-	-	2x 4TB	2x 4TB
FG-7040E-8/-DC	2			Any 2 FIMs					
FG-7040E-9/-DC		2		Any 2 FIMs					
FG-7060E-8/-DC	2 (+2)*			Any 2 FIMs					
FG-7060E-9/-DC		2 (+2)*		Any 2 FIMs					
FG-7121F/-DC			2 (+8)*					2	
FG-7121F-2			2 (+8)*						2

* Optional more FPMs, order separately.

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FortiGate Virtual Appliance Series

Agile Security for Virtual Environments

Amazon AWS | MS Azure | GCP | OCI | Aliyun

FG-VM for Public Cloud

VMware ESXi | Citrix Xen | Xen | KVM | MS Hyper-V | Nutanix AHV

FG-VM for Private Cloud

Primary Benefits:

- ✓ Increased visibility and security within virtualized infrastructure better protect critical resources
- ✓ Ability to manage virtual appliances and physical appliances from a single pane of glass management platform reduces TCO
- ✓ Comprehensive Hypervisor support
- ✓ Feature-rich security and virtual networking support facilitate wide deployment and requirement options

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FortiGate-VM

	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08	FG-VM16	FG-VM32	FG-VMUL
Private Cloud Platforms								
VMware	✓	✓	✓	✓	✓	✓	✓	✓
Citrix	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Hyper-V	✓	✓	✓	✓	✓	✓	✓	✓
KVM	✓	✓	✓	✓	✓	✓	✓	✓
Open Source Xen	✓	✓	✓	✓	✓	✓	✓	✓
Nutanix AHV	✓	✓	✓	✓	✓	✓	✓	✓
Public Cloud Platforms (BYOL)								
Amazon AWS	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Azure	✓	✓	✓	✓	✓	✓	✓	
Google Cloud Platform	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Cloud Infrastructure			✓	✓	✓	✓	✓	✓
AliCloud	✓	✓	✓	✓	✓	✓	✓	✓

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Transceivers & Breakout Cables

Max Dist.	SFP (GE)	XFP (10GE)	SFP+ (10GE)	QSFP+ (40GE)	CFP2 (100GE)	QSFP28 (100GE)
10 M			SP-CABLE-ADASFP+			
100 M	FN-TRAN-GC		FN-TRAN-SFP+GC	FN-TRAN-QSFP+SR FG-TRAN-QSFP+SR-BIDI (on OM3 MMF)	FG-TRAN-CFP2-SR10	FN-TRAN-QSFP28-SR4
150 M				FN-TRAN-QSFP+SR FG-TRAN-QSFP+SR-BIDI (on OM4 MMF)		
220 M	FN-TRAN-SX FR-TRAN-SX (62.5/125 micron MMF)		]			
300 M		FG-TRAN-XFPSR (OM3MMF)	FN-TRAN-SFP+SR			
500 M	FN-TRAN-SX FR-TRAN-SX (50/125 micron MMF)					
10 KM	FN-TRAN-LX FR-TRAN-LX	FG-TRAN-XFPLR	FN-TRAN-SFP+LR		FG-TRAN-CFP2-LR4	FN-TRAN-QSFP28-LR4
40 KM			FN-TRAN-SFP+ER			
90 KM	FR-TRAN-ZX					

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Transceivers & Breakout Cables

Max Dist.	SFP (GE)	XFP (10GE)	SFP+ (10GE)	QSFP+ (40GE)	CFP2 (100GE)
1 Meter Length				FG-TRAN-QSFP-4XSFP	FG-CABLE-SR10-SFP+
5 meter Length				FG-TRAN-QSFP-4SFP-5	FG-CABLE-SR10-SFP+5

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Transceivers

Models	Slot Type(s)	Transceivers Shipped
FG-80E Series	SFP	NIL
FG-100EF	SFP	NIL
FG-140E/140E-POE	SFP	NIL
FG-200E/201E	SFP	NIL
FG-300E/301E, 400E/401E	SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-500E/501E, FG-600E/601E	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-600D	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-800D	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)

Models	Slot Type(s)	Transceivers Shipped
FG-900D/1000D	SFP/+ SFP	NIL
FG-1100E	QSFP+ SFP28 SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-1200D	SFP/+ SFP	NIL
FG1500D	SFP/+ SFP	2x SFP+ (SR 10GE)
FG-2000E	SFP/+	2x SFP+ (SR 10GE)
FG-2200E	QSFP+ SFP28 SFP/+	
FG-2500E	SFP/+ SFP+ bypass	2x SFP+ (SR 10GE)

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Transceivers

Models	Slot Type(s)	Transceivers Shipped
FG-3000D	SFP/+	2x SFP+ (SR 10GE)
FG-3100D	SFP/+	2x SFP+ (SR 10GE)
FG-3200D	SFP/+	2x SFP+ (SR 10GE)
FG-3300E	QSFP+ SFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3400E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3600E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3700D/DX	QSFP+ SFP/+ SFP+	2x SFP+ (SR 10GE)
FG-3800D	CFP2 QSFP+ SFP+	2x SFP+ (SR 10GE) FG-CABLE-SR10-SFP+

Models	Slot Type(s)	Transceivers Shipped
FG-3960E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3980E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-5001D/5001E	QSFP+ SFP/+	2x SFP+ (SR 10GE)
FCTL-5903C	QSFP+ SFP/+	2x SFP+ (SR 10GE)

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Power Adapters & Redundant Power Supplies

Models	Spare/Redundant Power Supplies Option*	Associated Power Cords
FG/FWF-20C, 30D	SP-FG20C-PA-XX	N.A
FG/FWF-30D-POE	SP-FG30D-POE-PDC	SP-FG60CPCOR-XX
FG/FWF-30E, FG/FWF-50E, FG/FWF-51E	SP-FG30E-PA-XX	N.A
FG/FWF-40F/-3G4G	SP-FG-40F-PA-10(-XX)	N.A
FG-52E, FG-50E-2R, FG-30E-3G4G	SP-FG52E-PA-XX	N.A
FG/FWF 60E/61E, 60F/61F, FG-80E/81E and FG-80F/81F	SP-FG60E-PDC-5	SP-FG60CPCOR-XX
FG/FWF-60D-POE	SP-FG60D-POE-PDC	SP-FG60CPCOR-XX
FG-80D	SP-FG80D-PDC	SP-FG60CPCOR-XX
FG-60E-POE, FG-80/81E-POE, FG-80/81E-POE, FG-80/81F-POE, FWF-81F-2R-POE, FWF-81F-2R-3G4G-POE	SP-FG80E-POE-PDC	SP-FG60CPCOR-XX
FWF-80/81F-2R, FWF-80/81F-2R-3G4G-DSL	SP-FWF80F-PDC-5	SP-FG60CPCOR-XX
FG/FWF-90D-POE, FG-70D-POE	SP-FG90D-POE-PDC	SP-FG60CPCOR-XX
FG/FWF-92D, FG-90/91E	SP-FG92D-PDC (EoOed)	???
FG-100E, 100EF, 140E	FRPS-100 (max 2 units) (EoOed)	N.A
FG-140E-POE	FRPS-740-FG (max 2 units)	N.A
FG-200D, 240D, 200E	FRPS-100 (max 2 units) (EoOed)	N.A
FG-200D/240D/280-POE	FRPS-740-FG (max 2 units)	N.A

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* Power cords are sold separately, unless “N.A” under “Associated Power Cords”

** Field AC <-> DC conversion is not supported by TAC/CSS

Power Adapters & Redundant Power Supplies

Models	Spare/Redundant Power Supplies Option*	Associated Power Cords
FG-100/101F, FG-200/201F	Not Applicable	SP-FGPCOR-XX
FG-300D	FRPS-100 (max 2 units) (EoOed)	N.A
FG-300/400/500/600E Series	SP-FG300E-PS (additional as option)	SP-FGPCOR-XX
FG-400F, 600F Series	SP-FG400F-PS	SP-FGPCOR-XX
FG-400D, 500D	FRPS-100 (max 2 units)) (EoOed)	N.A
FG-600C, 800C	SP-FG600C-PS (additional as option)	SP-FGPCOR-XX
FG-600C-DC, FG-800C-DC	SP-FG600C-DC-PS (additional as option)	N.A
FG600D	FRPS-100 (max 2 units) (EoOed)	N.A
FG-800D	SP-FG600C-PS (additional as option)	SP-FGPCOR-XX
FG-900G Series	SP-FG400F-PS	SP-FGPCOR-XX
FG-1000C, FG-1000C-DC	SP-FG600C-PS, SP-FG600C-DC-PS (spare)	SP-FGPCOR-XX
FG-900D/1000D	SP-FXX1000D	SP-FGPCOR-XX
FG-1000F Series	SP-FG400F-PS	SP-FGPCOR-XX
FG-1100/1101E	SP-FG300E-PS (spare)	SP-FGPCOR-XX
FG-1200D, FG-1500D, FG-1500DT	SP-FG1200D-S (spare)	SP-FGPCOR-XX
FG-1240B, FG-3040B, FG-3140B	SP-FG1240B-PS (spare)	SP-FGPCOR-XX SP-FGPCORHE-XX for 3K

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* Power cords are sold separately, unless “N.A” under “Associated Power Cords”
** Field AC <-> DC conversion is not supported by TAC/CSS

Power Adapters & Redundant Power Supplies

Models	Spare/Redundant Power Supplies Option*	Associated Power Cords
FG-1800/1801F	SP-FG1800F-PS (spare)	SP-FGPCORHE-XX
FG-2200/2201E	SP-FG3800D-PS (spare)	SP-FGPCORHE-XX
FG-2600/2601F	SP-FG1800F-PS (spare)	SP-FGPCORHE-XX
FG-3000D, FG-3100D, FG-3240C, 3200D	SP-FG3000D-PS (spare)	SP-FGPCORHE-XX
FG-3000F, FG-3200F Series	SP-FG3800D-PS (spare)	SP-FGPCORHE-XX
FG-3300/3301E, FG-3400/3401E, FG-3600/3601E, FG-3500/3501F	SP-FG3800D-PS (Spare)	SP-FGPCORHE-XX
FG-3500F, FG-3700F Series	FG-7040E-PS-AC (Spare)	SP-FGPCORC15-XX
FG-3700D, FG-3700D-DC	SP-FG3800D-PS (Spare) SP-FG3800D-DC-PS (spare)	SP-FGPCORHE-XX N.A
FG-3800D,3810D,3815D	SP-FG3800D-PS (spare)	SP-FGPCORHE-XX
FG-3960E **FG-3980E**	FG-7040E-PS-AC (spare) FG-7040E-PS-DC (spare)	SP-FGPCORC15-XX N.A
FG-4000F/6000F Series	SP-FG4000F-PS SP-FG4000F-DC-PS	SP-FGPCORC15-XX N.A
FG-7030E **FG-7040E**	FG-7040E-PS-AC FG-7040E-PS-DC	SP-FGPCORC15-XX N.A
FG-7060E	FG-7060E-PS-AC	SP-FGPCORC15-XX

* Power cords are sold separately, unless “N.A” under “Associated Power Cords”
** Field AC <-> DC conversion is not supported by TAC/CSS

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Power Cords

C14 Inlet		SP-FGPCOR-US SP-FGPCORHE-US**	SP-FGPCOR-UK SP-FGPCORHE-UK**	SP-FGPCOR-EU SP-FGPCORHE-EU**	SP-FGPCOR-AU SP-FGPCORHE-AU**
C15 Inlet		SP-FGPCORC15-US SP-FGPCORC15-JP	SP-FGPCORC15-UK	SP-FGPCORC15-EU	SP-FGPCORC15-AU
***C6 Inlet**		SP-FG60CPCOR-US	SP-FG60CPCOR-UK	SP-FG60CPCOR-EU	SP-FG60CPCOR-AU
		NEMA 5-15	BS 1363	CEE7 VII	AS/NZS 3112
		Type B	Type G	Type C, E, F, K	Type I

http://en.wikipedia.org/wiki/AC_power_plugs_and_sockets
https://www.worldstandards.eu/electricity/plug-voltage-by-country/

* For FG-60C and FG/FWF-40C, FG/FWF-60D, 60E, 60F, 70F, 80F & FG/FWF-90D Series, except models that uses SP-FWF80F-PDC
* For FG-40F series use power adapter with interchangeable sockets (Refer to next slide)
** For FG-1800F to FG-3800 Series
+ SP-FGPCORC13-C14-PSE-2 meant for 200V may be used for all Fortinet appliance that uses C13 input socket

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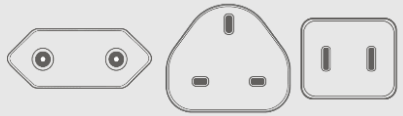
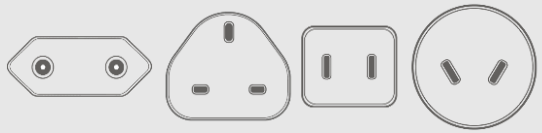
Power Cords

SP-FG-40F-PA-10	SP-FG-40F-PA-10-AU	SP-FG-40F-PA-10-KR	SP-FG-40F-PA-10-IN
			
EU (Type C, E, K), UK (Type G), US/JP (Type A)	EU (Type C, E, K), UK (Type G), US/JP (Type A), AU (Type I)	EU (Type C, E, K), UK (Type G), US/JP (Type A), KR (Type F)	EU (Type C, E, K), UK (Type G), US/JP (Type A), IN (Type C - India Specific)

SP-FG-40F-PA-10-AR	SP-FG-40F-PA-10-BR	SP-FG-40F-PA-10-CN
		
EU (Type C, E, K), UK (Type G), US/JP (Type A), AR (Type I - Argentina Specific)	EU (Type C, E, K), UK (Type G), US/JP (Type A), BR (Type N)	EU (Type C, E, K), UK (Type G), US/JP (Type A), CN (Type A - China Specific)

http://en.wikipedia.org/wiki/AC_power_plugs_and_sockets
https://www.worldstandards.eu/electricity/plug-voltage-by-country/

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Hard Disks

	SP-D1000	SP-D1TB	SP-D1TC	SP-D2TC	SP-D2TE	SP-D3TC	SP-D2000	SP-D2000A	SP-DFWB2T	SP-D960
FortiManager			1000C, 3000C	3000C gen2, 4000D		300E, 400E, 2000E, 3000F	1000D			3900E
FortiAnalyzer		4000B	1000C, 2000B	1000C Gen2 2000B Gen2, 3000D		400E, 1000E, 2000E, 3000E, 3500F	1000D	3500D		3900E
FortiMail			2000B. 3000C	2000B Gen2, 3000D	2000E, 3000E, 3200E		1000D			
FortiWeb	1000D		1000C, 3000C	3000D, 4000C, 4000D			1000D		3000E 4000E	
FortiDB			1000C, 2000B	3000D			1000D			
FortiAuthenticator			1000C, 3000B	3000D	2000E, 3000E		1000D			
FortiCache			1000C, 3000C	1000C Gen2, 3000D	3000E		1000D			
FortiSandbox				3000D	3000E		1000D			

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FortiOS 7.2

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FortiOS Software Evolution

	2005	2007	2009/Q1	2009/Q3	2010/Q1	2011/Q3	2012/Q4	2014/Q2
	V 2.8	**V 3.0**	**V 4.0**	**V4.1**	**V 4.2**	**V 4.3**	**V 5.0**	**V 5.2**
New Key functionalities	• Antispam • NGFW	• SSL VPN • IM/P2P mgmt	• DLP • WAN Opt. • SSL Proxy • App Control	• Wireless ctrl • IPv6 UTM • SQL Logging	• New GUI • Network VM	• Token Server • ICAP	• Client reputation • Sandbox integration • Endpoint control • Device based policy	• FortiView • Deep Flow AV • Software performance optimization

	2016/Q3	2017/Q1	2018/Q1	2019/Q2	2020/Q1	2021/Q1	2022/Q1	2023/Q1
	V 5.4	**V 5.6**	**V 6.0**	**V 6.2**	**V 6.4**	**V 7.0**	**V 7.2**	**V 7.4**
New Key functionalities	• ATP Integration • SDN support • DNS Server	• Security Fabric Integration and Features	• Security Fabric Enhancements • Automation • Secure SD-WAN	• Fabric Connectors Enhancements • Additional Trigger and Actions for Automation	• SD-WAN Enhancements • Additional Fabric Integration • IoT and IPAM Services	• New ZTNA and SASE support • Video category filtering	• Inline Sandboxing and CASB • HTTP/3 UTM	• Virtual patching for IOT and OT

FortiOS V7.4

Configuration	Log & Report	Diagnostics	Monitoring	**Operation**	Systems Integration	Central Mgmt. and Provisioning	Cloud & SDN Integration
					Visibility	Automation	
Policy Modes	Device Identification		SSL inspection	**Policy and Control**	NAC	Compliance & Security Rating	ZTNA
Firewall	Application Control		Anti-Malware	**Security**	Advanced Threat Protection (ATP)		
VPN	IPS & DoS	Web Filtering	Email Filtering				
SD WAN	Explicit Proxy	IPv6	High Availability	**Networking**	Wireless Controller	Switch Controller	WAN Interface Manager
Routing/NAT	L2/Switching	Offline Inspection	Essential Network Services				
Physical Appliance (+SPU)	Virtual System / Cloud / SASE		Hypervisor	**Platform Support**	**Security Fabric**		

** Features availability may varied by models*

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FortiOS 7.4 Subscription Services

1. Available when running FortiOS 7.4

Service Category	Service Offering	A-la-carte	Bundles		
			Enterprise Protection	Unified Threat Protection	Advanced Threat Protection
FortiGuard Security Services	IPS Service	•	•	•	•
	Anti-Malware Protection (AMP) Service	•	•	•	•
	URL, DNS and Video Filtering Service	•	•	•	
	Anti-Spam Service		•	•	
	FortiGuard AI-based Malware Prevention Service	•	•		
	Data Loss Prevention Service [1]	•	•		
	OT Security Service (OT Detection, OT Vulnerability correlation, Virtual Patching, OT Signature / Protocol Decoders) [1]	•			
	Application Control		*included with FortiCare Subscription*		
	CASB SaaS Control		*included with FortiCare Subscription*		

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FortiOS 7.4 Subscription Services

1. Available when running FortiOS 7.4 | 2. 2. Desktop Models only

Service Category	Service Offering	A-la-carte	Bundles		
			Enterprise Protection	Unified Threat Protection	Advanced Threat Protection
SD-WAN and SASE Services	SD-WAN Underlay Bandwidth and Quality Monitoring Service	•			
	SD-WAN Overlay-as-a-Service for SaaS-based overlay network provisioning	•			
	SD-WAN Connector for FortiSASE Secure Private Access	•			
	FortiSASE subscription including cloud management and 10Mbps bandwidth license [2]	•			

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FortiOS 7.4 Subscription Services

1. Available when running FortiOS 7.4 | 2. 2. Desktop Models only

Service Category	Service Offering	A-la-carte	Bundles		
			Enterprise Protection	Unified Threat Protection	Advanced Threat Protection
NOC and SOC Services	FortiGuard Attack Surface Security Service (IoT Detection, IoT Vulnerability Correlation, and Security Rating Updates) [1]	•	•		
	FortiConverter Service	•	•		
	Managed FortiGate Service	•			
	FortiGate Cloud (SMB Logging + Cloud Management)	•			
	FortiAnalyzer Cloud	•			
	FortiAnalyzer Cloud with SOCaaS	•			
	FortiGuard SOCaaS	•			

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FortiOS 7.4 Subscription Services

1. Available when running FortiOS 7.2

Service Category	Service Offering	A-la-carte	Bundles		
			Enterprise Protection	Unified Threat Protection	Advanced Threat Protection
Hardware and Software Support	FortiCare Essentials	•			
	FortiCare Premium	•	•	•	•
	FortiCare Elite	•			
Base Services	Internet Service (SaaS) and botnet DB Updates	*included with FortiCare Subscription*			
	GeoIP DB Updates				
	Device/OS Detection Signatures				
	Trusted Certificate DB Updates				
	DDNS (v4/v6) Service				

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FortiConverter Service

Eliminate Human Errors

- Simplified migration process with proven methodology and validation by Fortinet experts

Comprehensive Visibility

- Full insights of service entitlement and progress across all FortiGates

Robust FortiGate Upgrades

- Automatically Identify, upload, and convert existing FortiGate configuration files within the FortiGate console

Faster Firewall Migration

- FortiGate to FortiGate conversion within 4 hours
- 3rd-party to FortiGate within 2 business days

Broad Vendors and Models Supported

- Support a wide range of 3rd-party firewalls and legacy FortiGate with FortiOS 3.x and above

Affordable and Secure Transition

- Service priced $50 to $5K, flat fee for higher-end models

Migration to FortiGate Made Easy

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FortiAnalyzer

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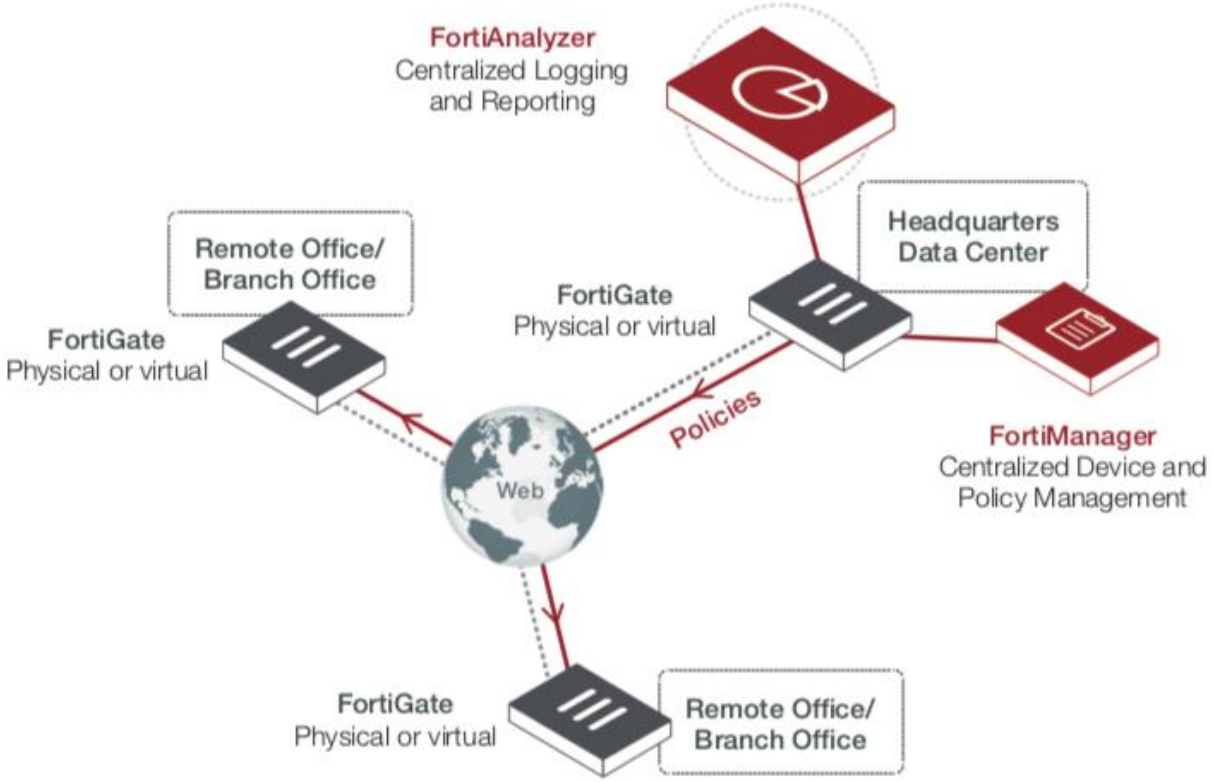
Introducing FortiAnalyzer

Appliance | Virtual Machine | Hosted | Cloud

Logging, reporting and analysis from multiple Fortinet devices

- Centralized Search and Reports
- Real-time and Historical Views into Network Activity
- Scans security logs using FortiGuard IOC Intelligence for APT detection
- Light-weight Event Management
- Seamless Integration with the Fortinet Security Fabric



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FortiAnalyzer Series

	FAZ-150G	FAZ-300G	FAZ-810G	FAZ-1000F	FAZ-3000G	FAZ-3700G
GB/Day	25	100	200	660	3,000	8,300
Analytic Sustained Rate (logs/sec)	500	2,000	4,000	20,000	42,000	100,000
Collector Sustained Rate (logs/sec)	750	3,000	6,000	30,000	60,000	150,000
Max. Devices/ADOMs	50	180	800	2,000	4,000	10,000
Max Number of Days Analytics	90	28	50	34	30	60
Total Interfaces	2x GE RJ45	4x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x 10GE SFP+	2x GE RJ45, 2x 25GE SFP28	2x 10GE RJ45, 2x 25GE SFP28
Storage capacity	2x 2 TB	2x 4 TB	4x 4 TB	8x 4TB	16x 4TB	60 x 4TB HDD + 6x 3.2TB NVMe SSD
RAID support	Yes (0,1)	Yes (0,1)	Yes (0,1,5,10)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)

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FortiAnalyzer VM-Series

	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100	FAZ-VM-GB500	FAZ-VM-GB2000
GB/Day	+1	+5	+25	+100	+500	+2,000
Max. Devices/ADOMs	10,000	10,000	10,000	10,000	10,000	10,000
Network Interface (Min/Max)	1 / 4					
vCPU (Min/Max)	4 / Unlimited					
Memory Support (Min/Max)	8 GB / Unlimited for 64-bit					

FortiAnalyzer-VM-S subscription license model

- consolidates multiple services for easier purchase and renewal
- stackable log licenses (5, 50, 500 GB/day) for scalable logging needs

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FortiManager

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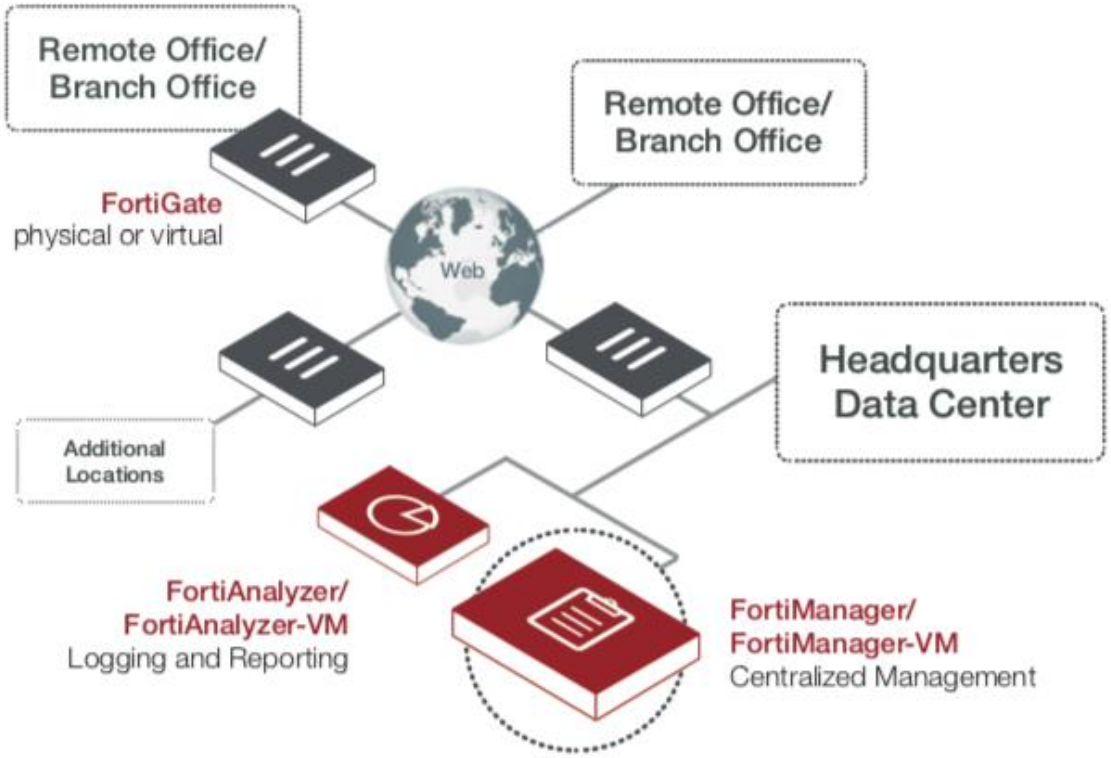
Introducing FortiManager

Appliance | Virtual Machine | Hosted | Cloud

Tools that effectively manage any size Fortinet security infrastructure, from a few to thousands of appliances

- Easy centralized configuration, policy-based provisioning, update management, and end to-end network monitoring
- Segregate management of large deployments with ADOMs
- Single-pane-of-glass manages more than firewalls
- Script and automation support with JSON/XML APIs with external systems



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FortiManager Series

	FMG-200G	FMG-410G	FMG-1000F	FMG-3000G	FMG-3700G
Max. Devices/VDOMs[1]	30	150	1,000	4,000+	10,000+
Sustained Log Rates	50	50	50	150	150
GB/Day	2	2	2	10	10
Interfaces	4x GE RJ45	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x SFP+	2x GE RJ45, 2x 25GE SFP28	2x 10GE RJ45, 2x 25GE SFP28
Storage capacity	2x 4TB	8x 4TB	8x 4TB	16x 4TB	60x 4TB HDD + 6x 3.2TB NVMe SSD

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device

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FortiManager-VM Series

	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG
Max. Devices/VDOMs[1]	+10	+100	+1,000	+5,000
GB Logs/day	2	5	10	25
Max. Virtual NICs (Min/Max)	1 / 12			
vCPU Support (Min/Max)	4 / Unlimited			
Memory Support (Min/Max)	8 GB / Unlimited for 64-bit			

FortiManager-VM-S subscription license model

- combines SKUs for easy purchase and renewal
- stackable subscriptions for device management
- Multiple units increase devices/VDOMs; can be combined with other SKUs

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device

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FortiSIEM

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Introducing FortiSIEM

Appliance | Virtual Machine | Cloud

Unified event correlation and risk management for modern networks

- Asset Self-Discovery
- Rapid Integrations and Scalability
- Automated Workflow with Remediation Library
- Single Pane of Glass to quickly remediate service issues
- Multi-tenancy for role-based access to a unified platform

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FortiSIEM Series

	FSM-500G	FSM-2000G	FSM-3500G
Role	Collector	Supervisor or Worker	Supervisor or Worker
Performance Benchmark	5K EPS. 500 SNMP, 200 WMI/OMI for Performance/100 WMI for Logs	20K EPS with Collectors	40K EPS with Collectors
Interface	4 x GbE RJ45	4 x GbE RJ45 ports, 2 x GbE SFP ports, 2 x 25GbE SFP28	2x GbE RJ45 ports, 2x GbE SFP ports, 2x 25GbE SFP28
Storage Capacity	4TB (1 x 4TB)	32TB (3.5” SAS 4TB x 8) + 4TB (2.5” NVMe 1TB x4)	96 TB (4TB x 24)

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FortiAuthenticator

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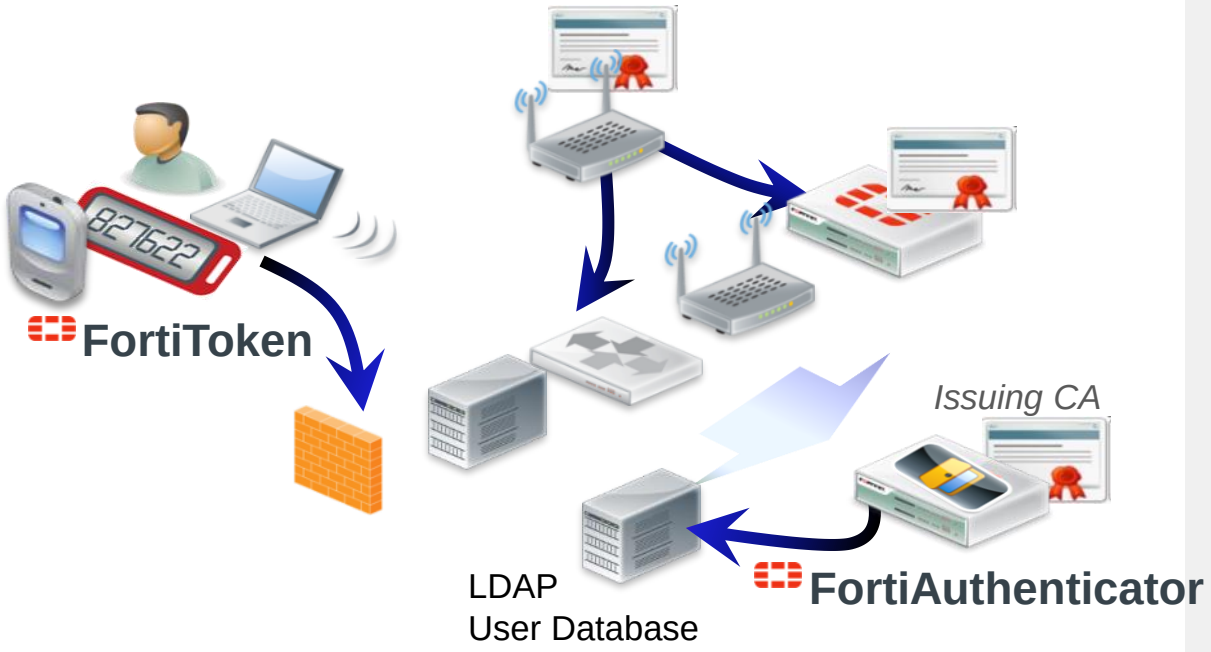
Introducing FortiAuthenticator

Appliance | Virtual Machine | Cloud

Identity Management, User Access Control and multi-factor identification

- Transparently identify network users and enforce identity-driven policy on a Fortinet-enabled enterprise network
- Seamless secure two-factor/OTP authentication across the organization in conjunction with FortiToken
- Certificate management for enterprise wireless and VPN deployment
- Guest management for wired and wireless network security
- Single Sign On capabilities for both internal and cloud networks



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FortiAuthenticator Series

	FAC-300F	FAC-800F	FAC-3000F
Max. Local + Remote Users	1,500	8,000	40,000
Max. FortiTokens	3,000	16,000	480,000
Max. NAS Devices	500	2,666	80,000
Max. User Groups	150	800	24,000
Max. CA Certificates	10	50	300
Max. User Certificates	7,500	40,000	1,200,000
Interfaces	4x GE RJ45	4x GE RJ45 2x GE SFP	4x GE RJ45 2x GE SFP
Storage Capacity	2 x 1 TB	2 x 2 TB	2 x 2 TB

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FortiAuthenticator-VM Series

	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG
Max. Local and/or Users	100	+100	+1,000	+10,000
Max. FortiTokens	200	+200	+2,000	+20,000
Max. NAS Devices	33	+33	+333	+3,333
Max. User Groups	10	+10	+100	+1,000
Max. CA Certificates	5	+5	+50	+500
Max. User Certificates	100	+100	+1,000	+10,000
Interfaces (Min/Max)	1 / 4			
Virtual CPUs (Max)	64			
Storage Capacity (Min Max)	60 GB / 16 TB			

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FortiAP

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FortiAP Overview

		Wall Plate	Outdoor	Indoor
8x8	3 Radio			802.11ax FAP-831F
4x4	3 Radio		802.11ax FAP-432F FAP-432FR	Wi-Fi 6E FAP-431/433G 802.11ax FAP-431/433F
	2 Radio			
3x3	2 Radio			
2x2	3 Radio	802.11ax FAP-23JF	802.11ax FAP-234F	Wi-Fi 6E FAP-231/233G 802.11ax FAP-231F
	2 Radio			802.11ac W2 FAP-221/223E

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FortiAP 831F

Indoor | 802.11ax | Tri-Radio | 8x8

1. 1 x 2.5/5GE RJ45 Interface
2. 1 x GE RJ45 Interface
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	High Density Indoor
Number of Antenna	4x 2.4GHz band WiFi + 8x 5GHz band WiFi + Ix Dual band Scanning + 1x 2.4GHz band BLE
Rx / Tx	8x8
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (4,804 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3at

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FortiAP 431/433G

Indoor | Wi-Fi 6E | Triple Radio | 4x4

① 2 x 2.5GE RJ45 Interface

a/b/g/n /ac/ax

① 2 x 2.5GE RJ45 Interface

a/b/g/n /ac/ax

	FAP-431G	FAP-433G
Target Environment	High density indoor	High density indoor
Number of Antenna	8 internal	8 External
Rx / Tx	4x4	4x4
Radio 1	2.4 GHz b/g/n/ax (1148 Mbps)	2.4 GHz b/g/n/ax (1148 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2402 Mbps)	5GHz a/b/g/n/ac/ax (2402 Mbps)
Radio 3	6.0 GHz (4804 Mbps)	6.0 GHz (4804 Mbps)
PoE	802.3bt / 2x 802.3at	802.3bt / 2x 802.3at

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FortiAP 431/433F

Indoor | 802.11ax | Triple Radio | 4x4

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

	FAP-431F	FAP-433F
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	5 Internal + 1 BLE Internal	5 External (RP-SMA) + 1 BLE Internal
Rx / Tx	4x4	4x4
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2,402 Mbps)	5GHz a/b/g/n/ac/ax (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scan only)	2.4/5.0 GHz (scan only)
PoE	802.3at	802.3at

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FortiAP 432F

Outdoor | 802.11ax | Tri-Radio | 4x4

1. 1x 2.5GE RJ45
2. 1 x GE RJ45 (802.3af PoE PSE)
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	High density indoor
Number of Antenna	4 x dual band, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

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FortiAP 432FR

Outdoor | 802.11ax | Tri-Radio | 4x4

① 1x 2.5GE RJ45
② 1 x GE RJ45 (802.3af PoE PSE)
③ 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Ruggedized indoor/outdoor/industrial
Number of Antenna	4 x dual band, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

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FortiAP 231/233G

Indoor | Wi-Fi 6E | Triple Radio | 2x2

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface

a/b/g/n /ac/ax

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface

a/b/g/n /ac/ax

	FAP-231G	FAP-233G
Target Environment	Medium density indoor	Medium density indoor
Number of Antenna	4 internal	4 External
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (1201 Mbps)	5GHz a/b/g/n/ac/ax (1201 Mbps)
Radio 3	6.0 GHz (2401 Mbps)	6.0 GHz (2401 Mbps)
PoE	802.3at	802.3at

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FortiAP 231F

Indoor | 802.11ax | Triple Radio | 2x2

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Medium density indoor
Number of Antenna	3 Dual band Internal + 1 BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1201 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

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FortiAP 234F

Outdoor | 802.11ax | Triple Radio | 2x2

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Medium density Outdoor
Number of Antenna	2 x dual band, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1200 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

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FortiAP 221/223E

Indoor | 802.11ac W2 | Dual Radio | 2x2

① 1 x GE RJ45 Interface

① 1 x GE RJ45 Interface

	FAP-221E	FAP-223E
Target Environment	Medium density indoor	Medium density indoor
Number of Antenna	4 internal	4 External
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	5GHz a/b/g/n/ac (867 Mbps)	5GHz a/b/g/n/ac (867 Mbps)
PoE	802.3af	802.3af

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FortiAP 23JF

Wall Plate | 802.11ax | 2x2

1. 1x GE RJ45 802.3at PoE (PD)
2. 1x GE RJ45 802.3af PoE (PSE)
3. 2x GE RJ45
4. 2x GE RJ45 Pass-through (In and out)
5. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Indoor Wall Plate AP for hotel and dorm rooms
Number of Antenna	4 x single band WiFi, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1201 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

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FortiAP U-Series Overview

			Wall Plate	Outdoor	Indoor
4x4	3 Radio	Resiliency		802.11ax FAP-U432F	802.11ax FAP-U431/433F
	2 Radio			802.11ac W2 FAP-U422EV	
3x3					
2x2	3 Radio			802.11ax FAP-U234F	802.11ax FAP-U231F
	2 Radio				

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FortiAP U231F

Indoor | 802.11ax | 2x2

1. 2x GE RJ45
2. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Medium density indoor
Number of Antenna	4 x dual band WiFi, 2 x wifi/dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4/5 GHz a/b/g/n/ac/ax (1201 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (1201 Mbps)
Radio 3	2.4/5.0 GHz (scanning) or 2.4 GHz b/g/n/ax (574 Mbps)
PoE	802.3af/at

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FortiAP U431/433F

Indoor | 802.11ax | Triple Radio | 4x4

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface

a/b/g/n /ac/ax

1. 1 x 2.5GE RJ45 Interface
2. 1 x GE RJ45 Interface

a/b/g/n /ac/ax

	FAP-U431F	FAP-U433F
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	10 internal + 1 BT/BLE Internal	10 External (RP-SMA) + 1 BT/BLE Internal
Rx / Tx	4x4	4x4
Radio 1	5 GHz a/n/ac/ax (4,804 Mbps)	5 GHz a/n/ac/ax (4,804 Mbps)
Radio 2	2.4/5 GHz a/b/g/n/ac/ax (4,804 Mbps)	2.4/5 GHz a/b/g/n/ac/ax (4,804 Mbps)
Radio 3	2.4/5 GHz b/g/n/ac (300 Mbps)	2.4/5 GHz b/g/n/ac (300 Mbps)
PoE	802.3af/at	802.3af/at

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FortiAP U432F

Outdoor | 802.11ax | 4x4

1. 1x GE RJ45
2. 1x 2.5GE RJ45
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

Target Environment	High Performance Outdoor
Number of Antenna	10 External (Type N) + 1 BT/BLE Internal
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n (4,804 Mbps)
Radio 2	5GHz a/n/ac/ax (4,804 Mbps)
Radio 3	2.4/5 GHz b/g/n/ac (300 Mbps)
PoE	802.3at/Proprietary

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FortiAP U234F

Outdoor | 802.11ax | 2x2

1. 1x GE RJ45
2. 1x 2.5GE RJ45
3. 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

Target Environment	High Performance Outdoor
Number of Antenna	4 External (Type N) + 1 BT/BLE Internal
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n (2,402 Mbps)
Radio 2	5GHz a/n/ac (2,402 Mbps)
Radio 3	2.4/5 GHz b/g/n/ac (300 Mbps)
PoE	802.3at/Proprietary

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FortiAP U422EV

Outdoor | 802.11n/ac W2 | 4x4

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

Target Environment	High Performance Outdoor
Number of Antenna	8 External (Type N) + 1 BT/BLE Internal
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n (600 Mbps)
Radio 2	5GHz a/n/ac (3,466 Mbps)
PoE	802.3at/Proprietary

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Hardware Overview – FortiAP U-Series

Indoor & Outdoor

	FAP-U231F	FAP-U431/433F	FAP-U432F	FAP-U234F
Form Factor	Indoor, rectangular	Indoor, rectangular	Outdoor, Rugged	Outdoor, Rugged
Rx / Tx	2x2	4x4	4 x 4	2 x 2
Radio 1	2.4/5 GHz a/b/g/n/ac/ax (1201 Mbps)	5 GHz a/n/ac/ax (4,804 Mbps)	2.4 GHz b/g/n (4,804 Mbps)	2.4 GHz b/g/n (2,402 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (1201 Mbps)	2.4/5 GHz a/b/g/n/ac/ax (4,804 Mbps)	5GHz a/n/ac/ax (4,804 Mbps)	5GHz a/n/ac (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scanning) or 2.4 GHz b/g/n/ax (574 Mbps)	2.4/5 GHz b/g/n/ac (300 Mbps)	2.4/5 GHz b/g/n/ac (300 Mbps)	2.4/5 GHz b/g/n/ac (300 Mbps)
PoE	802.3af/at	802.3af/at	802.3at/Proprietary	802.3at/Proprietary
Antennas	4 x dual band WiFi, 2 x wifi/dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee	10 internal / external (RP-SMA) + 1 BT/BLE Internal	10 External (Type N) + 1 BT/BLE Internal	4 External (Type N) + 1 BT/BLE Internal
Ethernet Interfaces	2 x GE RJ45	1 x 2.5GE RJ45, 1 x GE RJ45	1x GE RJ45, 1x 2.5GE RJ45	1x GE RJ45, 1x 2.5GE RJ45

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FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-11C	AC	✓ (Integrated power supply)	N/A	-	-
FAP-14C	AC	✓	SP-FAP14C-PA-XX	-	-
FAP-21D	AC	✓ (USB powered)	N/A	-	-
FAP-24D	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-25D	AC	✓ (Integrated power supply)	N/A	-	-
FAP-28C	AC	✓	SP-FG20C-PA-XX	-	-
FAP-112B	PoE Proprietary	✓	SP-FAP112B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-112D	PoE Proprietary	✓	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-210B	PoE 802.3af	✓	SP-FAP220B-PA-XX	✓	-
FAP-220B	PoE 802.3af	✓	SP-FAP220B-PA-XX	✓	-

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FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-221B/223B	PoE 802.3af	-	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	✓	-
FAP-221C/223C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-221E/223E	PoE 802.3af	-	SP-FAP200-PA-XX	✓	-
FAP-222B/222C	PoE 802.3at/POE Proprietary	✓	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-222E	PoE 802.3at	✓	TBC	-	✓
FAP-224D	PoE 802.3af	✓	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	✓	-
FAP-224E	PoE 802.3at	-	N/A	-	✓
FAP-320B	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-320C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-321C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-421E/423E	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓

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FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-231E	802.3.af 802.3.at	-	SP-FAP200-PA-XX	-	✓
FAP-321E	802.3.af 802.3.at	-	SP-FAP200-PA-XX	-	✓
FAP-231F	PoE 802.3at	-	SP-FAP250-PA-10 (US and EU plug)	-	✓
FAP-431F	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-234F	PoE 802.3at	PoE Injector	-	-	✓
FAP-432F	PoE 802.3at	PoE Injector	-	-	✓

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FortiAP U-Series Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-U221EV/223EV	PoE 802.3af	-	SP-FAP200-PA-XX	✓	-
FAP-U321EV/323EV	PoE 802.3af PoE 802.3at	-	SP-FAP200-PA-XX	-	✓
FAP -U431F/433F	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-U421EV/423EV	PoE 802.3af PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-U422EV	Proprietary 802.3at	✓ (Proprietary PoE injector)	-	-	✓
FAP-U431F FAP-U433F	802.3at	-	SP-FAP43F-PA-X-5	-	✓
FAP-U432F	802.3bt	✓ (Proprietary PoE injector)	?	-	?
FAP-U231F	802.3at	-	SP-FAP250-PA-10 (US and EU plug)	-	✓
FAP-U234F	802.3bt	✓ (Proprietary PoE injector)	?	-	?

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FortiSwitch

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Introducing FortiSwitch

Appliance

Access level Gigabit Switches with ease of use and low cost of ownership

- **Campus Core & Data Center**
  1000-300 Series
- **Campus**
  400-600 Series
- **Access**
  100-200 Series

Outstanding price, performance, and scalability to organizations with diverse operational needs.

Primary Benefits:

- ✓ High Port Density
- ✓ Integrated Power Over Ethernet
- ✓ Connect Access Points, Peripherals, Cameras, Phones
- ✓ Create an integrated, secure network

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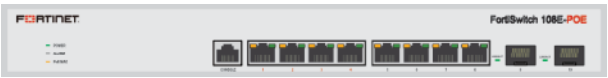
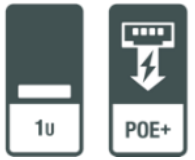
FortiSwitch Family

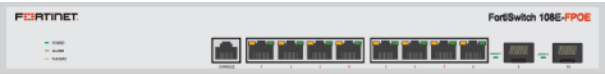
	100 Series	200 Series	400 Series	500 Series	1000-3000 Series
48 ports	FSW-148F-POE	FSW-248E-FPOE	FSW-448E-FPOE	FSW-548D-FPOE	
	FSW-148E/F-POE	FSW-248E-POE	FSW-448E-POE		
	FSW-148E/F	FSW-248D	FSW-448E	FSW-548D	FSW-2048F FSW-1048E
26 / 32 ports			FSW-M426E-FPOE		FSW-3032E
24 ports	FSW-124E/F-FPOE	FSW-224D-FPOE	FSW-424E-FPOE	FSW-524D-FPOE	
	FSW-124E/F-POE	FSW-224E-POE	FSW-424E-POE		
	FSW-124E/F	FSW-224E	FSW-424E FSW-424E-Fiber	FSW-524D	FSW-T/1024E FSW-1024D
8 ports	FSW-108E/F-FPOE				
	FSW-108E/F-POE				
	FSW-108F				
	+ 4x 10GE SFP+ uplinks (148F Series) + 2 or 4x GE SFP uplinks (rest)	+ 4x GE SFP uplinks	+ 2 or 4 x10GE SFP+ uplinks	+ 4x 10GE SFP+ and 2x 40GE stacking	**Data Center Switches**

FortiSwitch 108E Series

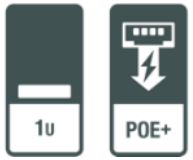


1. 4x GE RJ45 Ports
2. 4x GE RJ45 POE+ Ports
3. 2x GE SFP slots





1. 8x GE RJ45 POE+ Ports
2. 2x GE SFP slots



	FS-108E-POE	FS-108E-FPOE
Switch Capacity	20 Gbps	20 Gbps
MAC Address Storage	8K	8K
Network Latency (64b)	4 ms	4 ms
VLANs Supported	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports
PoE Power Budget	65 W	130 W
Power Supply	Single PS	Single PS

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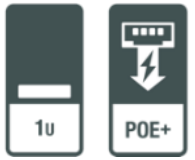
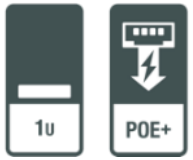
FortiSwitch 108F Series

1. 7x GE RJ45 Ports
2. 1x GE POE-PD RJ45 Ports
3. 2x GE SFP slots

1. 8x GE RJ45 POE/+ Ports
2. 2x GE SFP slots



1. 8x GE RJ45 POE/+ Ports
2. 2x GE SFP slots



	FS-108F	FS-108F-POE	FS-108F-FPOE
Switch Capacity	20 Gbps	20 Gbps	20 Gbps
MAC Address Storage	8K	8K	8K
Network Latency (64b)	4 µs	4 µs	4 µµs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	65 W	130 W
Power Supply	Single PS/PoE-PD	Single PS	Single PS

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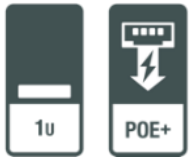
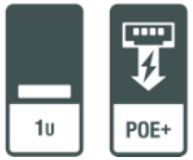
FortiSwitch 124E Series

1. 24 x GE RJ45 Ports
2. 4x GE SFP slots

1. 12x GE RJ45 Ports
2. 12x GE RJ45 POE+ Ports
3. 4x GE SFP slots



1. 24x GE RJ45 POE+ Ports
2. 4x GE SFP slots



	FS-124E	FS-124E-POE	FS-124E-FPOE
Switch Capacity	56 Gbps	56 Gbps	56 Gbps
MAC Address Storage	8K	8K	8K
Network Latency (64b)	4 ms	4 ms	4 ms
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	185 W	370 W
Power Supply	Single PS	Single PS	Single PS

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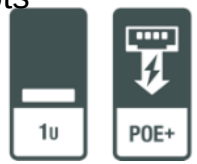
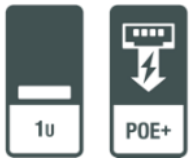
FortiSwitch 124F Series

1. 24 x GE RJ45 Ports
2. 4x 10GE SFP+ slots

1. 12x GE RJ45 Ports
2. 12x GE RJ45 POE+ Ports
3. 4x 10GE SFP+ slots



1. 24x GE RJ45 POE+ Ports
2. 4x 10GE SFP+ slots



	FS-124F	FS-124F-POE	FS-124F-FPOE
Switch Capacity	128 Gbps	128 Gbps	128 Gbps
MAC Address Storage	32K	32K	32K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	185 W	370 W
Power Supply	Single PS	Single PS	Single PS

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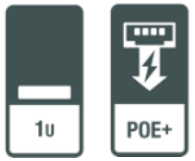
FortiSwitch 148E Series

1. 48 x GE RJ45 Ports
2. 4x GE SFP slots

1. 24 x GE RJ45 Ports
2. 24 x GE RJ45 POE Ports
3. 4x GE SFP slots



	FS-148E	FS-148E-POE
Switch Capacity	104 Gbps	104 Gbps
MAC Address Storage	16K	16K
Network Latency (64b)	<1 µs	<1 µs
VLANs Supported	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports
PoE Power Budget	-	370 W
Power Supply	Single PS	Single PS

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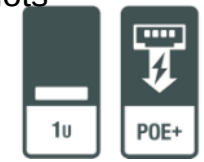
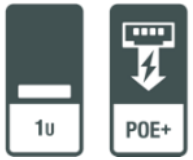
FortiSwitch 148F Series

1. 48x GE RJ45 Ports
2. 4x 10GE SFP+ Slots

1. 24 x GE RJ45 Ports
2. 24 x GE RJ45 POE+ Ports
3. 4x 10GE SFP+ Slots



1. 48 x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP+ Slots



	FS-148F	FS-148F-POE	FS-148F-FPOE
Switch Capacity	176 Gbps	176 Gbps	176 Gbps
MAC Address Storage	32K	32K	32K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	N/A	370 W	740 W
Power Supply	Single PS	Single PS	Single PS

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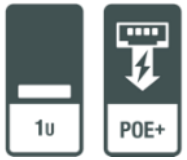
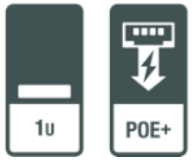
FortiSwitch 224D/E Series

1. 24x GE RJ45 Ports
2. 4x GE SFP Slots

1. 12 x GE RJ45 Ports
2. 12 x GE RJ45 POE+ Ports
3. 4x GE SFP slots



1. 24 x GE RJ45 POE/POE+ Ports
2. 4x GE SFP slots



	FS-224E	FS-224E-POE	FS-224D-FPOE
Switch Capacity	56 Gbps	56 Gbps	56 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	N/A	180 W	370 W
Power Supply	Dual Redundant PS	Single PS, Optional FRPS-740	Single PS, Optional FRPS-740

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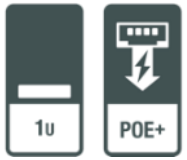
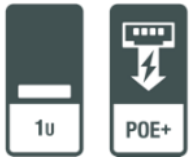
FortiSwitch 248D/E Series

1. 48 x GE RJ45 Ports
2. 4x GE SFP slots

1. 24x GE Ports
2. 24x GE PoE/PoE+ Ports
3. 4x GE SFP Slots



1. 48 x GE RJ45 POE/POE+ Ports
2. 4x GE SFP slots



	FS-248D	FS-248E-POE	FS-248E-FPOE
Switch Capacity	104 Gbps	104 Gbps	104 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	370 W	740 W
Power Supply	Single PS	Single PS, Optional FRPS-740	Single PS, Optional FRPS-740

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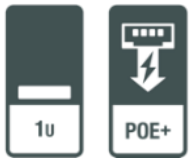
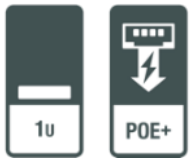
FortiSwitch 424E Series

1. 24x GE RJ45 Ports
2. 4x 10GE SFP+ slots

1. 24x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP slots



1. 24x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP slots



	FS-424E	FS-424E-POE	FS-424E-FPOE
Switch Capacity	128 Gbps	128 Gbps	128 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	250 W	421 W
Power Supply	Dual Redundant PS	Dual Redundant PS	Dual Redundant PS

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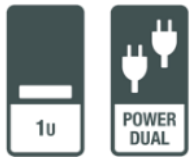
FortiSwitch 424E-Fiber

1. 4x GE/10GE SFP/SFP+ slots
2. 24x GE SFP ports



Switch Capacity	128 Gbps
MAC Address Storage	32 K
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 8 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS

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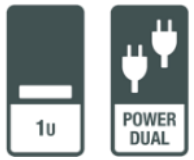
FortiSwitch M426E-FPOE

1. 4x GE/10GE SFP/SFP+ slots
2. 2x 5GE RJ45 ports
3. 8x 2.5GE RJ45 POE/POE+ ports
4. 16x GE RJ45 POE/POE+ ports



Switch Capacity	172 Gbps
MAC Address Storage	16 K
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 8 ports
PoE Power Budget	420 W
Power Supply	Dual Redundant PS

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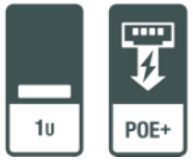
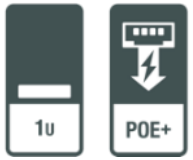
FortiSwitch 448E Series

1. 48x GE RJ45 Ports
2. 4x 10GE SFP+ slots

1. 48x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP slots



1. 48x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP slots



	FS-448E	FS-448E-POE	FS-448E-FPOE
Switch Capacity	176 Gbps	176 Gbps	176 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	421 W	772 W
Power Supply	Dual Redundant PS	Dual Redundant PS	Dual Redundant PS

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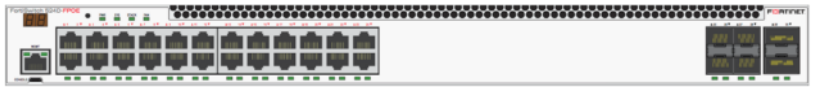
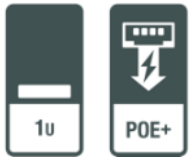
FortiSwitch 524D Series

1. 24x GE RJ45 Ports
2. 4x 10GE SFP+ slots
3. 2x 40GE stacking interface



1. 24x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP+ slots
3. 2x 40GE stacking interface



	FS-524D	FS-524D-FPOE
Switch Capacity	288 Gbps	288 Gbps
MAC Address Storage	96K	96K
Network Latency (64b)	<2 µs	<2 µs
VLANs Supported	4K	4K
Max LAG Size	up to 24 ports	up to 24 ports
PoE Power Budget	-	400 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-600

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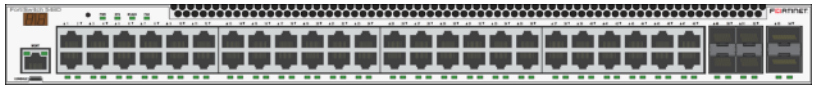
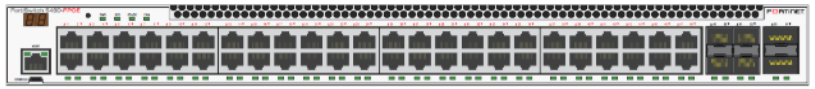
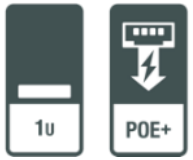
FortiSwitch 548D Series



1. 48x GE RJ45 Ports
2. 4x 10GE SFP+ slots
3. 2x 40GE stacking interface



1. 48x GE RJ45 POE/POE+ Ports
2. 4x 10GE SFP+ slots
3. 2x 40GE stacking interface



	FS-548D	FS-548D-FPOE
Switch Capacity	336 Gbps	336 Gbps
MAC Address Storage	96K	96K
Network Latency (64b)	<2 µs	<2 µs
VLANs Supported	4K	4K
Max LAG Size	up to 24 ports	up to 24 ports
PoE Power Budget	-	750 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-900

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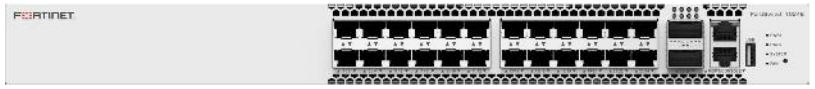
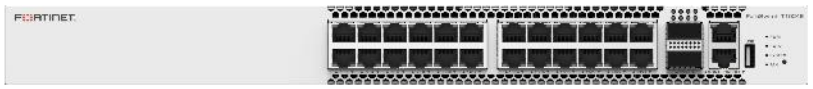
FortiSwitch T/1024E Series



① 24x 10GE SFP+ slots
② 2x 40/100GE QSFP28 slots



① 24x 10GE RJ45 ports
② 2x 40/100GE QSFP28 slots

	FS-1024E	FS-T1024E
Switch Capacity	880 Gbps	880 Gbps
MAC Address Storage	64k	64k
Network Latency (64b)	~1 µs	~1 µs
VLANs Supported	4K	4K
Max LAG Size	up to 24 ports	up to 24 ports
PoE Power Budget	-	-
Power Supply	Dual hot swappable AC	Dual hot swappable AC

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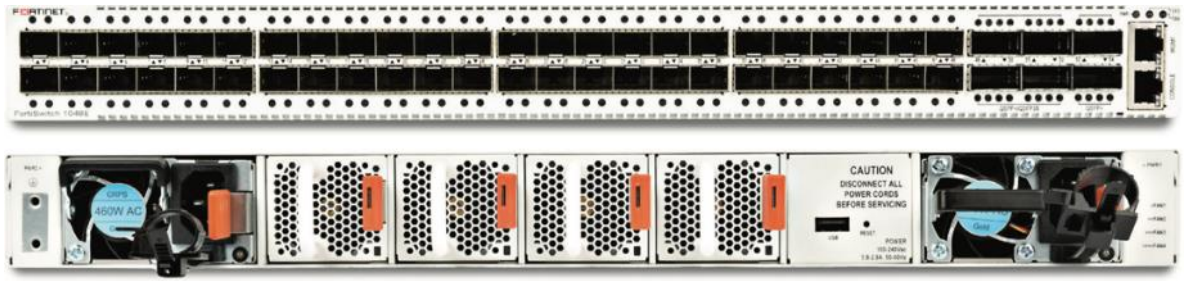
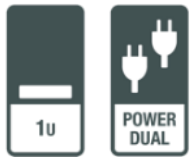
FortiSwitch 1048E



1. 4x 40/100GE QSFP28 slots
2. 6x 40GE QSFP+ slots
3. 48x GE/10GE SFP/SFP+ slots
4. 1x GE RJ45 Mgmt port



Switch Capacity (Duplex)	1760 Gbps
MAC Address Storage	144,000
Network Latency (64b)	<800 ns
VLANs Supported	4096
Max LAG Size	up to 48 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS

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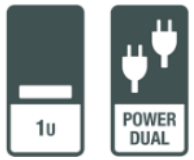
FortiSwitch 2048F

1. 48x 1GE/10GE/25GE SFP28 slots
2. 2x 1GE/10GE SFP+ slots
3. 8x 40GE / 100GE QSFP28 slots
4. 1x GE RJ45 Mgmt port



Switch Capacity (Duplex)	4000 Gbps
MAC Address Storage	96,000
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 48 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS

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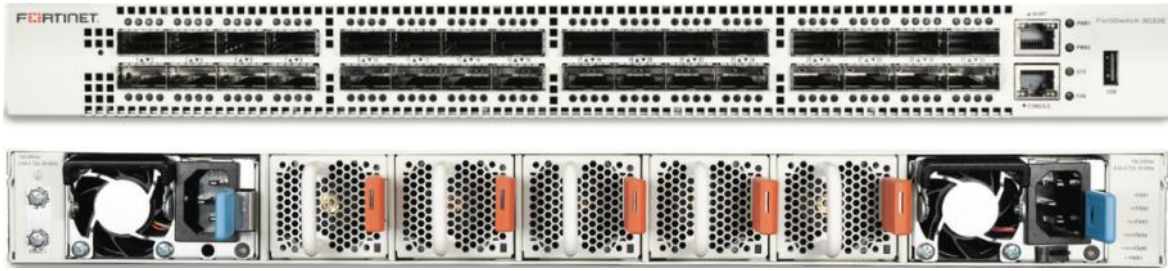
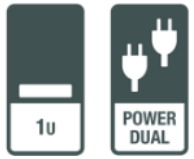
FortiSwitch 3032E



① 32x 40/100GE QSFP28 slots
② 1x GE RJ45 Mgmt port



Switch Capacity (Duplex)	6400 Gbps
MAC Address Storage	40,000
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 48 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS

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FortiSwitch Series – Secure Access Switches (I)

	E-series		F-Series		
	FS-108E-POE	FS-108E-FPOE	FS-108F	FS-108F-POE	FS-108F-FPOE
GE Ports	4x RJ45 2x SFP	2x SFP	7x RJ45, 1x RJ45 PoE-PD 2x SFP	2x SFP	2x SFP
PoE GE Ports	-	-	-	-	-
PoE/+ GE Ports	4	8	-	8	8
10GE SFP+ slots	-	-	-	-	-
Shared Ports (pair)	-	-	-	-	-
Power Budget	65 W	130 W	-	65 W	130 W
Power Supply	Single AC	Single AC	Single AC/PoE-PD	Single AC	Single AC

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FortiSwitch Series – Secure Access Switches (II)

	E- Series			F- Series		
	FS-124E	**FS-124E-POE**	**FS-124E-FPOE**	**FS-124F**	**FS-124F-POE**	**FS-124F-FPOE**
GE Ports	24x RJ45, 4 x SFP	12x RJ45, 4 x SFP	4 x SFP	24x RJ45	12x RJ45	-
PoE GE Ports	-	-	-	-	-	-
PoE/+ GE Ports	-	12	24	-	12	24
10GE SFP+ Slots	-	-	-	4	4	4
Power Budget	-	185 W	370 W	-	185 W	370 W
Power Supply	Single AC	Single AC	Single AC	Single AC	Single AC	Single AC

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FortiSwitch Series – Secure Access Switches (III)

	E-series		F-Series		
	FS-148E	FS-148E-POE	FS-148F	FS-148F-POE	FS-148F-FPOE
GE Ports	48	24	48	24	-
PoE/+ GE Ports	-	24	-	24	48
GE SFP slots	4	4	-	-	-
10GE SFP+ Slots	-	-	4	4	4
Power Budget	-	370W	-	370W	740W
Power Supply	Single AC	Single AC	Single AC	Single AC	Single AC

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FortiSwitch Series – Secure Access Switches (IV)

	D-Series	E-Series	
	FS-224D-FPOE	**FS-224E**	**FS-224E-POE**
GE Ports	4x SFP	24x RJ45, 4x SFP	12x RJ45, 4x SFP
PoE GE Ports	-	-	-
PoE/+ GE Ports*	24	-	12
Shared Ports (pair)	-	-	-
Power Budget	370 W	-	180 W
Power Supply	Single AC, Optional FRPS-740	Dual Redundant PS	Single AC, Optional FRPS-740

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FortiSwitch Series – Secure Access Switches (V)

	D-Series	E-Series	
	FS-248D	**FS-248E-POE**	**FS-248E-FPOE**
GE Ports	48x RJ45 4x SFP	24x RJ45 4x SFP	4x SFP
PoE GE Ports	-	-	-
PoE/+ GE Ports	-	24	48
Power Budget	-	370 W	740 W
Power Supply	Single PS	Single AC, Optional FRPS-740	Single AC, Optional FRPS-740

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FortiSwitch Series – Secure Access Switches (V)

	D-Series			E-Series		
	FS-424D	FS-424D-POE	FS-424D-FPOE	FS-448E	FS-448E-POE	FS-448E-FPOE
GE Ports	24	-	-	48	-	-
PoE/+ GE Ports	-	24	24	-	48	48
10GE SFP+ slots	2	2	2	4	4	4
Power Budget	-	185 W	370 W	-	421 W	772 W
Power Supply	Dual Redundant AC	Single AC, Optional FRPS-740	Single AC, Optional FRPS-740	Dual Redundant AC	Dual Redundant AC	Dual Redundant AC

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FortiSwitch Series – Secure Access Switches (VI)

	D-Series			
	FS-524D	**FS-524D-FPOE**	**FS-548D**	**FS-548D-FPOE**
GE Ports	24	-	48	-
PoE/+ GE Ports	-	24	-	48
10GE SFP+ slots	4	4	4	4
40GE QSFP+ slots	2	2	2	2
Power Budget	-	500 W	-	750 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-600	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-900

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FortiSwitch Series – Data Center Switches

	D-Series	E-Series			
	FSW-1024D	**FSW-1024E**	**FSW-T1024E**	**FSW-1048E**	**FSW-3032E**
GE Ports	1x mgmt	1x mgmt	1x mgmt	1x mgmt	1x mgmt
PoE GE Ports	-	-	-	-	-
10GE Ports	24 (1G/10G)	24 SFP+	24 RJ45	48 (1G/10G)	-
40GE Ports	-	-	-	2	-
100GE Ports	-	2 (40G/100G)	2 (40G/100G)	4 (40G/100G)	32 (40G/100G)
Power Budget	-	-	-	-	-

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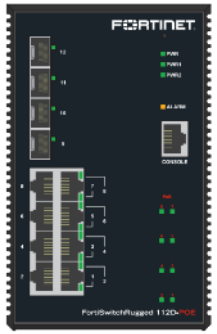
FortiSwitch Rugged Series



1. 8x PoE/PoE+ RJ45
2. 4x GE SFP slots

1. 12x 1/2.5GE RJ45
2. 12x 1/2.5GE GE SFP slots
3. 4x 10GE SFP+ Slots
4. 2x 40GE QSFP+ Slots

	FSR-112D-POE	FSR-424F-POE
Switch Capacity	24 Gbps	360 Gbps
MAC Address Storage	8K	32k
Network Latency (64b)	< 2 µs	< 1 µs
VLANs Supported	4K	4K
Power Supply	Redundant input terminals	Redundant input terminals
Additional Info		*12 port PoE 802.3bt type 3 with maximum 421W limit.

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FortiExtender

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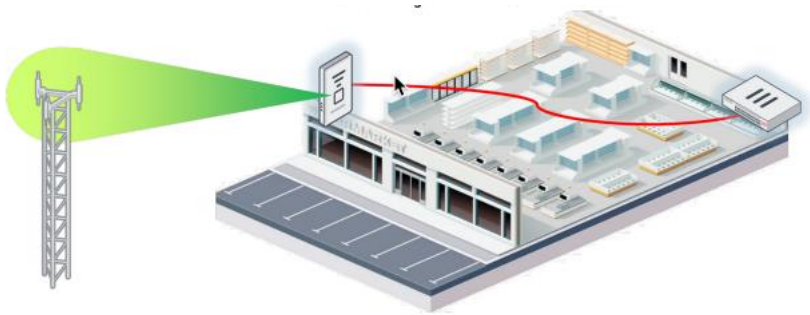
Introducing FortiExtender

Appliance

Providing 5G and LTE Connectivity for Reliable Broadband Access to the Internet

- Scalable Connectivity Anywhere
- Extending the Fortinet Security Fabric
- Making Mobile Networks High-availability Networks



FortiExtender can be placed near a window for optimal signal strength

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FortiExtender Overview

5G	5G Sub-6		FEX-511F	
4G	CAT-20			
	CAT-16		FEX-311F	
	CAT-12		FEX-211E	FEX-212F
	CAT-7		FEX-201F-EA/AM	FEX-202F-EA/AM
	CAT-6		FEX-101F-EA/AM	
N/A	N/A	FEX-200F		
		No Modem (LAN Extension)	Single Modem	Dual Modems

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FortiExtender Series

	FEX-101F-EA	FEX-101F-AM	FEX-201F-EA	FEX-201F-AM
Modem Model	Quectel CAT6 EM06-EA	Quectel CAT6 EM06-AM	Sierra Wireless EM7421	Sierra Wireless EM7411
Regional Compatibility	EMEA, Brazil, some APAC Carriers	North America Carriers	EMEA, Brazil, some APAC Carriers	North America Carriers
5G NR SA and NSA	—	—	—	—
4G: LTE	CAT-6	CAT-6	CAT-7	CAT-7
Ethernet Ports	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)
Power over Ethernet (PoE) Powered	IEEE 802.3af (15.4 W)	IEEE 802.3af (15.4 W)	IEEE 802.3af (15.4 W)	IEEE 802.3af (15.4 W)

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FortiExtender Series

	FEX-200F	FEX-202F-EA	FEX-202F-AM	FEX-211E	FEX-212F
Modem Model	N/A	Sierra Wireless EM7421 (2x Modem)	Sierra Wireless EM7411 (2x Modem)	Sierra Wireless EM7565	Sierra Wireless EM7565 (2x Modem)
Regional Compatibility	N/A	EMEA, APAC Carriers	North America Carriers	Global Carriers	Global Carriers
5G NR SA and NSA	N/A	—	—	—	—
4G: LTE	N/A	CAT-7	CAT-7	CAT-12	CAT-12
Ethernet Ports	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)	5x GE RJ45 Ports (WAN + LAN)
Power over Ethernet (PoE) Powered	N/A	IEEE 802.3af (15.4 W)	IEEE 802.3af (15.4 W)	IEEE 802.3af (15.4 W)	IEEE 802.3at (25.5 W)

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FortiExtender Series

	FEX 311F	FEX-511F
Modem Model	Quectel EM160R-GL	Quectel RM-502Q-AE
Regional Compatibility	Global Carriers	Global Carriers
5G NR SA and NSA	—	5G Sub-6
4G: LTE	CAT-16	CAT-20
Ethernet Ports	5x GE RJ45 Ports, 1x GE SFP Port	5x GE RJ45 Ports, 1x GE SFP Port
Power over Ethernet (PoE) Powered	IEEE 802.3at (25.5 W)	IEEE 802.3at (25.5 W)

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FortiNAC

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Introducing FortiNAC

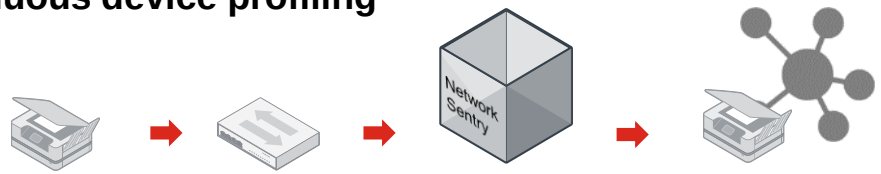
Appliance

Virtual Machine

Provides Visibility of Users and End points for Enterprise Networks and Automates Threat Response

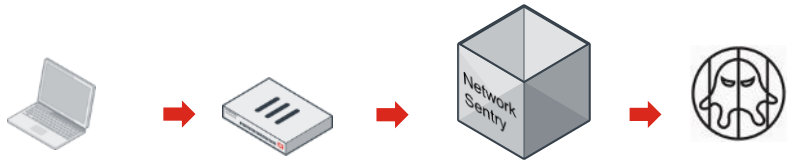
- Device identification and profiling
- Simplified guest access with self-registration
- Continuous risk assessment
- Micro-segmentation of endpoints
- Automated response to identified risks
- Orchestration of 3rd party devices

Continuous device profiling



1. Printer connected to network
2. MAC notification trap triggers FortiNAC
3. FortiNAC Profiles device as printer
4. FortiNAC Informs Fabric to allow Printer-type access to network

Containment of lateral threats at Edge



1. User brings infected laptop to work
2. FGT sends event to FortiNAC
3. FortiNAC quarantines the laptop at access layer
4. Virus contained at switch node

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FortiNAC C-Series

	FNC-CA-500C	FNC-CA-600C	FNC-CA-700C	FNC-R-650C	FNC-M-550C
Type	Mid-range Control and Application Server	High Performance Control and Application Server	Ultra High Performance Control and Application Server	Reporting and Analytics Server	Centralized Management Appliance
Target Environment	Small Environments	Medium Environments	Large Environments with few Persistent Agents	Multi-site environments with multiple appliances	Multi-site environments with multiple appliances
Capacity	Manages up to 1,000 ports in the network*	Manages up to 7,500 ports in the network*	Manages up to 15,000 ports in the network*	Unlimited	Unlimited

Virtual appliances are also available, please refer to www.fortinet.com for more information

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FortiNAC F-Series

	FNC-M-550F	FNC-CA-500F	FNC-CA-600F	FNC-CA-700F
Type	Management Appliance (Provides centralized management when multiple appliances are deployed)	Standalone Appliance (Integrated Control Server and Application Server)	High Performance Control and Application Server	Ultra High Performance Control and Application Server
Target Environment	Multi-site environments with multiple appliances	Small Environments	Medium Environments	Large Environments with few Persistent Agents
Capacity *	Can manage up to 50 CA servers with latencies up to 600ms in lab environment	Manages up to 5000 ports in the network	Manages up to 15 000 ports in the network	Manages up to 25 000 ports in the network

* 1 Ports in the network = total number of switch ports + maximum number of concurrent wireless connections. FortiNAC sizes the appliance capacity based on total port counts not total number of devices

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FortiSandbox

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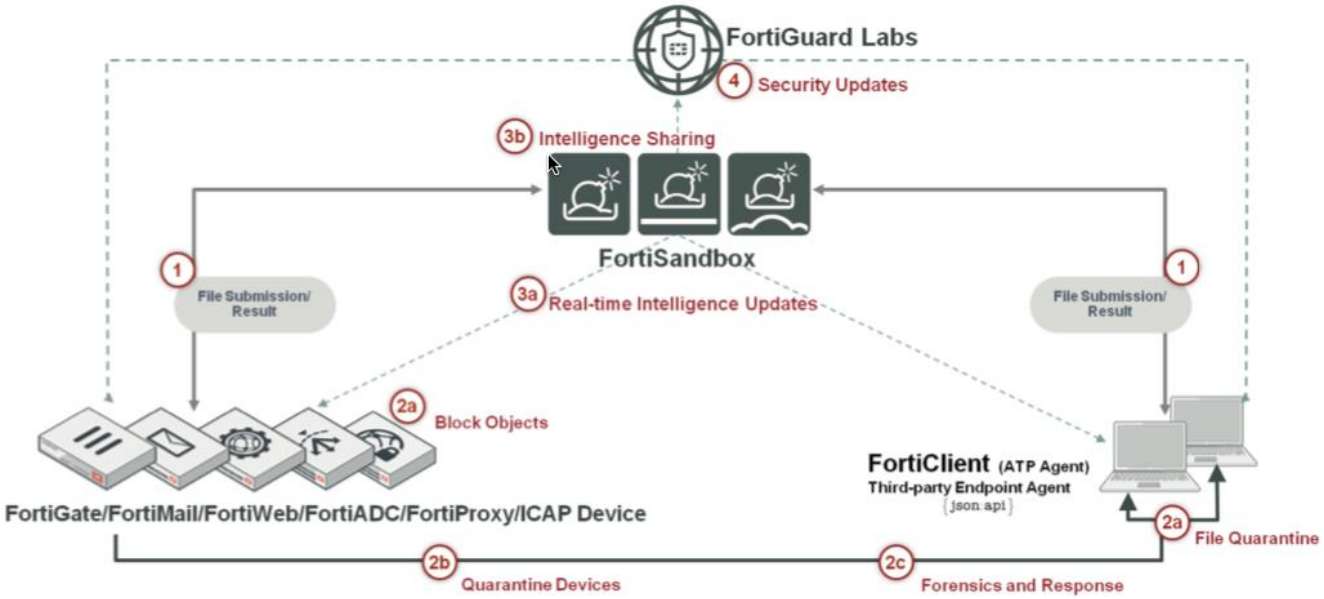
Introducing FortiSandbox

Appliance | Virtual Machine | Hosted | Cloud

Advanced Threat Protection solution designed to identify and thwart the highly targeted and tailored attacks

- Independently top-rated
- Broad integration
- Intelligent automation
- All-in-one
- Flexible deployment
- Open extensibility



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FortiSandbox Series

FortiSandbox	FSA-500F	FSA-1000F/-DC	FSA-2000E	FSA-3000F	FSA-VM
Effective Sandboxing Throughput [1] (Files/Hr)	1,000	1,400	2,400	6,720	100 – 4,000
Number of Users [2]	400	500	960	2,688	40 – 1,600
Number of VMs	2+4 optional	2+12 optional	4+20 optional	8 + 64 optional	Total: 1 to 54
Interfaces	4x GE RJ45 ports	4x GE RJ45 ports, 4x 10GE SFP+ slots	4x GE RJ45 ports, 2x 10GE SFP+ slots	4x GE RJ45 ports, 2x 10GE SFP+ slots	Hardware Dependent

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FortiClient

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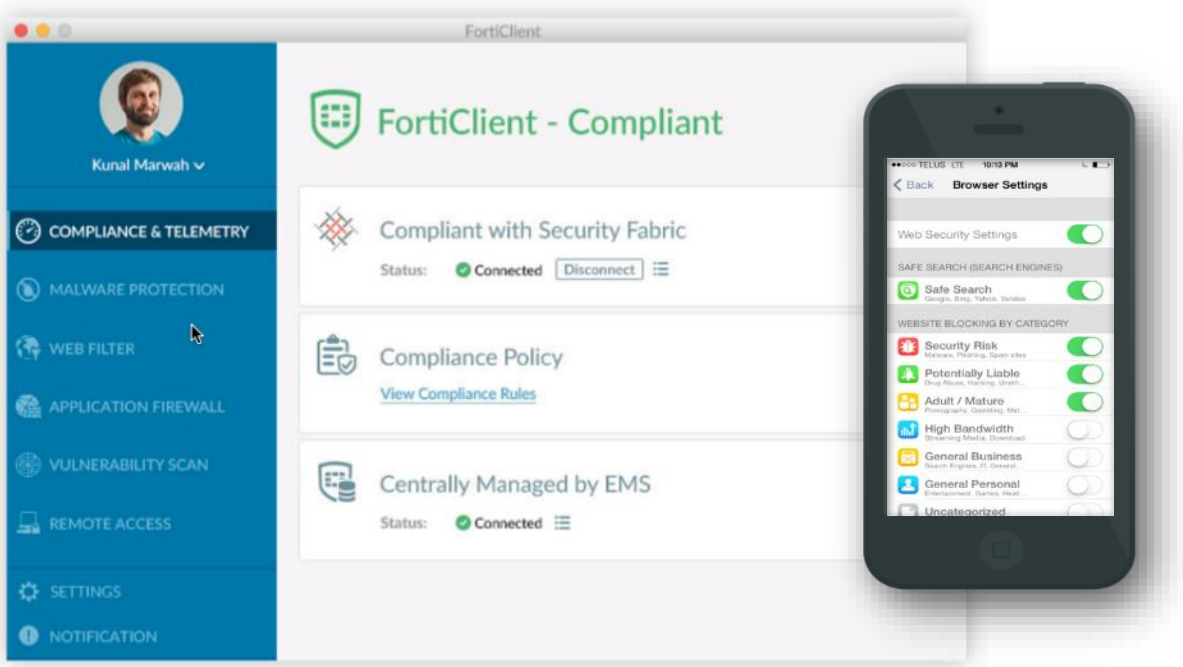
Introducing FortiClient

Comprehensive end-point protection & security enforcement

- Broad endpoint visibility
- Endpoint compliance and vulnerability management
- Proactive endpoint defense
- Automated threat containment
- Secure remote access
- Easy to deploy and manage



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FortiClient V7.0

1 Requires FortiClient to be managed by EMS

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Security Fabric Components						
Endpoint Telemetry[1]	✓	✓	✓	✓	✓	✓
Compliance Enforcement using Dynamic Access Control[1]	✓	✓	✓	✓		✓
Endpoint Audit and Remediation with Vulnerability Scanning[1]	✓	✓				✓
Automated Endpoint Quarantine	✓	✓				

1. Requires FortiClient to be managed by EMS. 2. Also compatible in Chrome OS. 3. Also compatible in Windows mobile. 4. Requires FortiAnalyzer. 5. No file submission.

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FortiClient V7.0

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Host Security and VPN Components						
Antivirus	✓	✓				✓
Cloud-based Threat Detection	✓	✓				
Anti-Exploit	✓					
Sandbox Detection (On-prem)	✓	✓				✓ (limited)
Sandbox Detection (Cloud)	✓					
Web Filtering	✓	✓	✓	✓	✓	
Application Firewall	✓	✓				
IPSec VPN	✓	✓	✓			
SSL VPN	✓	✓	✓	✓		✓

1. Requires FortiClient to be managed by EMS. 2. Also compatible in Chrome OS. 3. Also compatible in Windows mobile. 4. Requires FortiAnalyzer. 5. No file submission.

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FortiClient V7.0

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Others						
Remote Logging & Reporting	✓	✓		✓	✓	✓
Windows AD SSO Agent	✓	✓				
USB Device Control	✓	✓				✓

1. Requires FortiClient to be managed by EMS. 2. Also compatible in Chrome OS. 3. Also compatible in Windows mobile. 4. Requires FortiAnalyzer. 5. No file submission.

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FortiMail

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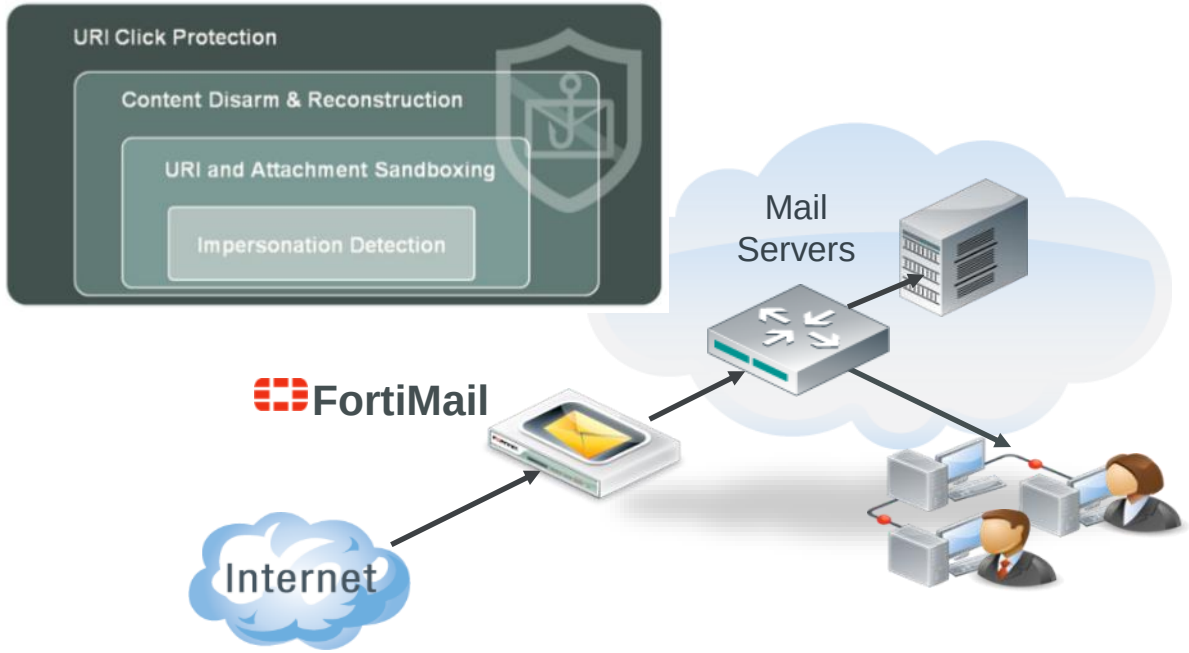
Introducing FortiMail

Appliance | Virtual Machine | Hosted | Cloud

Advanced anti-spam and antivirus filtering solution, with extensive quarantine and archiving capabilities.

- Top-rated Antispam and Antiphishing
- Independently certified advanced threat defense
- Integrated data protection
- Enterprise-class management
- High-performance mail handling



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FortiMail Series

FortiMail	FML-200F	FML-400F	FML-900F	FML-2000F	FML-3000F
Email Domains	20	100	800	1,000	2,000
Server Mode Mailboxes	150	400	1,500	2,000	3,000
Email Routing* (Msg/hr)	50 K	250 K	800 K	1.6 Mil	3.5 Million
FortiGuard Enterprise ATP* (Msg/hr)	30 K	150 K	400 K	800 K	2.1 Million
GE RJ45 ports	4	4	4	4	4
GE SFP Slots	-	-	2	2	2
10 GE SFP+ Slots	-	-	-	-	2
Storage capacity	1x 1TB	2x 1TB	2x 2 TB (2x 2 TB Optional)	2x 2 TB (6x 2 TB Optional)	2x 2TB (10 x 2 TB Optional)
Form Factor	Rack Mount, 1RU	Rack Mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU	Rack Mount, 2RU

* Based on 100KB message size, no queuing

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FortiMail-VM Series

FortiMail	FML-VM01	FML-VM02	FML-VM04	FMG-VM08	FMG-VM016	FMG-VM32
Email Domains	20	100	800	2,000	2,000	2,000
Server Mode Mailboxes	150	400	1,500	3,000	3,000	3,000
Email Routing* (Msg/hr)	34,000	67,000	306,000	675,000	875,000	1,200,000
FortiGuard Antispam+AV* (Msg/hr)	30,000	52,000	225,000	585,000	817,000	1,100,000
Max vCPU supported	1	2	4	8	16	32
Max vNICs	4	4	4	4	6	6
Storage capacity (Min/Max)	50 GB / 1 TB	50 GB / 2 TB	50 GB / 4 TB	50 GB / 8 TB	50 GB / 12 TB	50 GB / 24 TB
Memory required (Min/Max)	1 GB / 2 GB	1 GB / 4 GB	1 GB / 8 GB	1 GB / 16 GB	1 GB / 128 GB	1 GB / 128 GB

* Based on 100KB message size, no queuing

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FortiWeb

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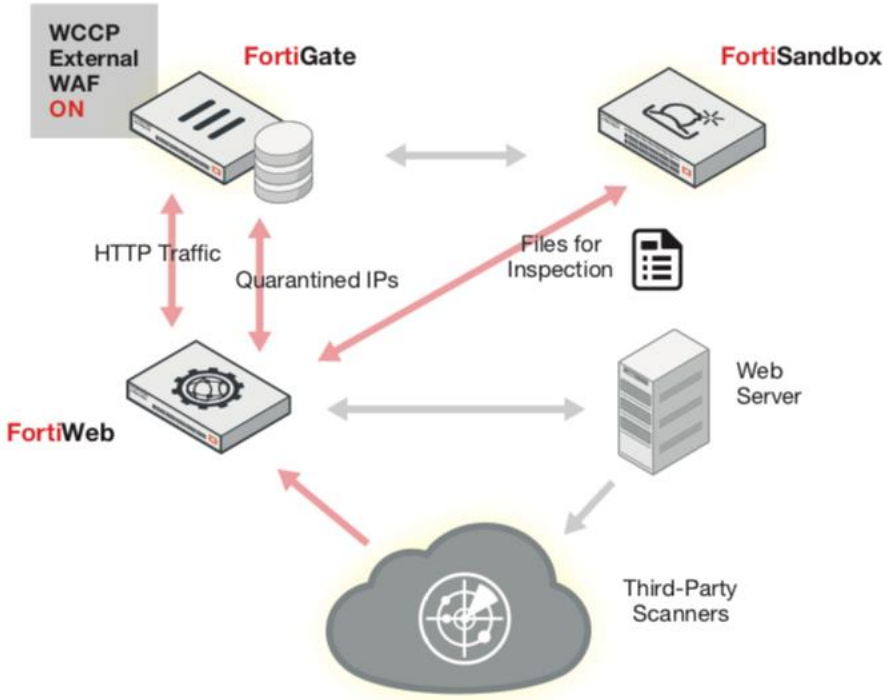
Introducing FortiWeb

Appliance | Virtual Machine | Hosted | Cloud | Container

Web application firewall to protect, balance, and accelerate web applications

- Feature-rich product that consolidates NGFW and SWG services
- Powerful hardware that can perform SSL deep inspection
- Anti-malware techniques updated with the latest threat intelligence
- single pane of glass management
- Effectively remove blind spots in encrypted traffic
- Stay protected against the latest known and unknown attacks



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FortiWeb Series

FortiWeb	FWB-100E	FWB-400E	FWB-600E
Throughput	50 Mbps	250 Mbps	750 Mbps
GE RJ45 ports	4	4	2 + 2 Bypass
GE SFP slots	-	4	4
10GE SFP+	-	-	-
Storage capacity	32 GB	480 GB	480 GB
Form Factor	Desktop	1RU	1RU

FortiWeb	FWB-1000F	FWB-2000F	FWB-3000F	FWB-4000F
Throughput	2.5 Gbps	5 Gbps	10 Gbps	70 Gbps
GE RJ45 ports	4 Bypass	4 Bypass	8 Bypass	8 Bypass
GE SFP slots	4	4	-	-
10GE SFP+	2	4	10 (2 Bypass)	10 (2 Bypass)
Storage capacity	2x 480 GB	2x 480 GB	2x 960 GB	2x 960 GB
Form Factor	2RU	2RU	2RU	2RU

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FortiWeb-VM and Container Series

FortiWeb-VM	FWB-VM01	FWB-VM02	FWB-VM04	FWB-VM08
HTTP Throughput	25 Mbps	100 Mbps	500 Mbps	2 Gbps
Max vCPU Supported	1	2	4	8
Memory required (Min/Max)	1 GB / Unlimited			
Storage capacity (Min/Max)	40 GB / 2 TB			

FortiWeb Container	FWB-VMC01	FWB-VMC02	FWB-VMC04	FWB-VMC08
HTTP Throughput	25 Mbps	100 Mbps	500 Mbps	2 Gbps
Memory required (Min)	4 GB			
Storage capacity (Min/Max)	30 GB / 500 GB			

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FortiADC

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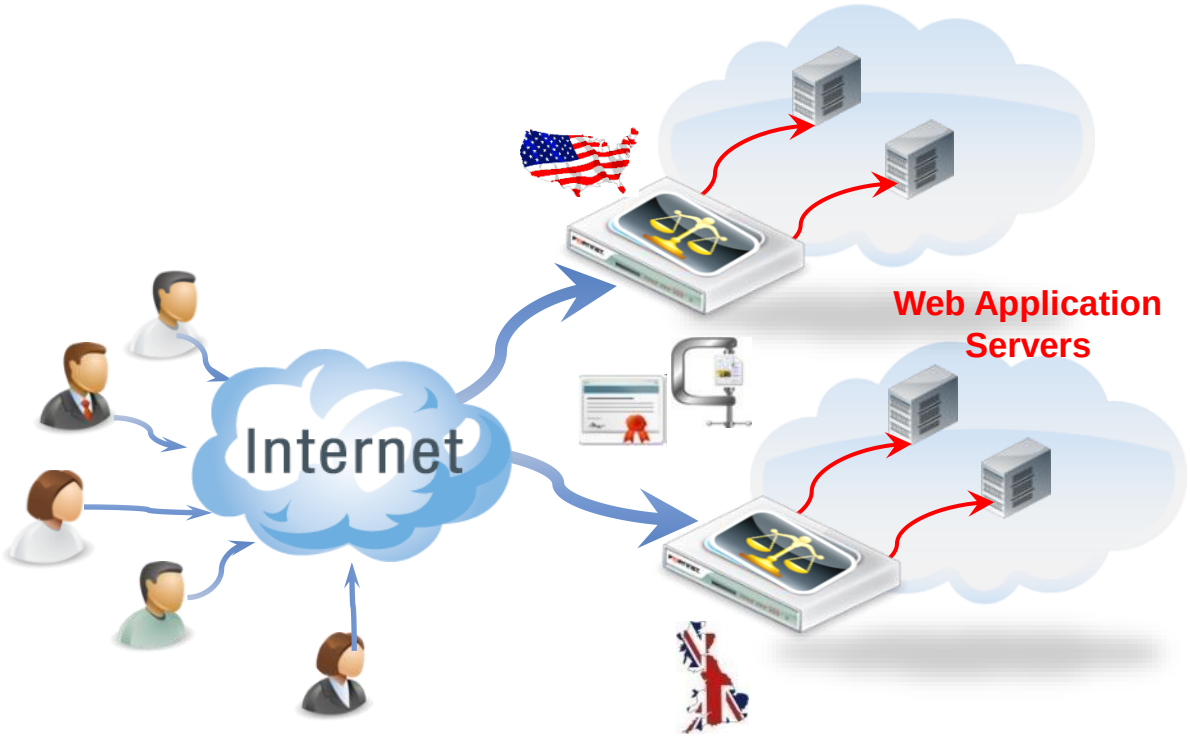
Introducing FortiADC

Appliance | Virtual Machine | Cloud

Advanced ADC that ensures application availability, application security, and application optimization.

- Advanced Application Load Balancing and Global LB
- Web Application Protection from the OWASP Top 10 attacks (WAF)
- SSL inspection, offloading and visibility with Hardware-based Solution
- Automation and Fabric connectors to Third Party Solutions
- User Authentication and Authorization Access
- Application and traffic visibility



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FortiADC Series

FortiADC	FAD 120F	FAD 220F	FAD 300F	FAD 400F	FAD 1200F	FAD 2200F	FAD 4200F	FAD 5000F
L4 Throughput	3 Gbps	5 Gbps	8 Gbps	15 Gbps	40 Gbps	60 Gbps	100 Gbps	250 Gbps
L7 Throughput	2.2 Gbps	4 Gbps	? Gbps	12 Gbps	30 Gbps	35 Gbps	80 Gbps	220 Gbps
L4 CPS	80,000	160,000	300,000	400,000	1 Million	1.2 Million	1.8 Million	4 Million
L4 HTTP RPS	230,000	500,000	1 Million	1.5 Million	3 Million	4 Million	5 Million	18 Million
L4 Concurrent Connection	4.5 Million	6 Million	12 Million	12 Million	36 Million	72 Million	144 Million	160 Million
SSL Bulk Encryption Throughput	500 Mbps	1.2 Gbps	3 Gbps	6 Gbps	20 Gbps	25 Gbps	50 Gbps	120 Gbps
Total Interfaces	6x GE RJ45	4x GE RJ45 4x GE SFP	4x GE RJ45 4x GE SFP	2x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	8x 10 GE SFP+, 8x GE SFP, 8x GE RJ45	12x 10 GE SFP+, 8x GE SFP	4x 40 GE QSFP+, 8x 10GE SFP+	4x 100 GE QSFP28, 8x 40 GE QSFP
Power Supply	Single	Single	Single	Single (optional Dual)	Dual	Dual	Dual	Dual

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FortiADC-VM Series

FortiADC	FAD-VM01	FAD-VM02	FAD-VM04	FAD-VM08	FAD-VM16	FAD-VM32
L4 Throughput	1 Gbps	2 Gbps	4 Gbps	10 Gbps	16 Gbps	24 Gbps
VDOM	10	10	10	10	15	20
vCPU support (Max)	1	2	4	8	16	32
Memory support (Min/Max)	4 GB / Unlimited	4 GB / Unlimited	8 GB / Unlimited	16 GB / Unlimited	32 GB / Unlimited	64 GB / Unlimited

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FortiGSLB Cloud

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Introducing FortiGSLB Cloud

Cloud

Helps to keep customer business online when a local area experiences unexpected spikes or downtime.

- **Multi Sites Failover and service continuity**
  - Service **Availability** during and after a disaster
  - Service **Scalability** when applications are slow

- **Benefits**
  - Rolls out in minutes (no migration/coding necessary)
  - Easy to deploy and proven use-cases
  - Site Visibility
  - Increase site performance and response-time
  - Full DNS Service
  - Stackable License
  - Integration with Fortinet Family products – Security Fabric

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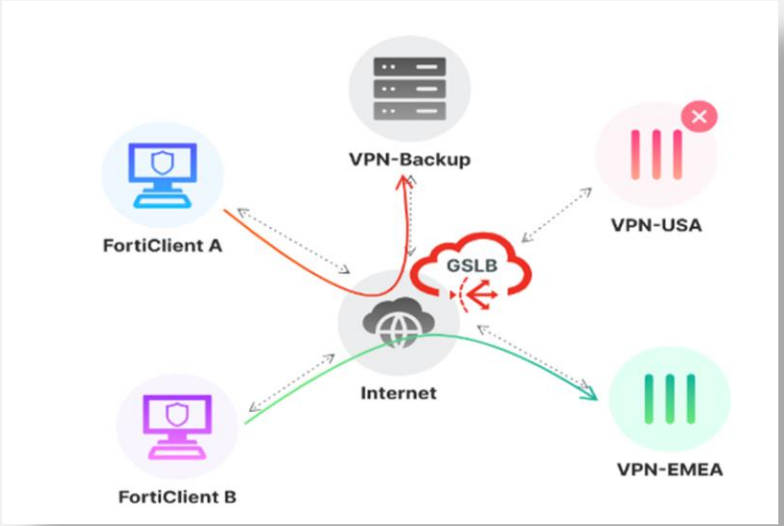
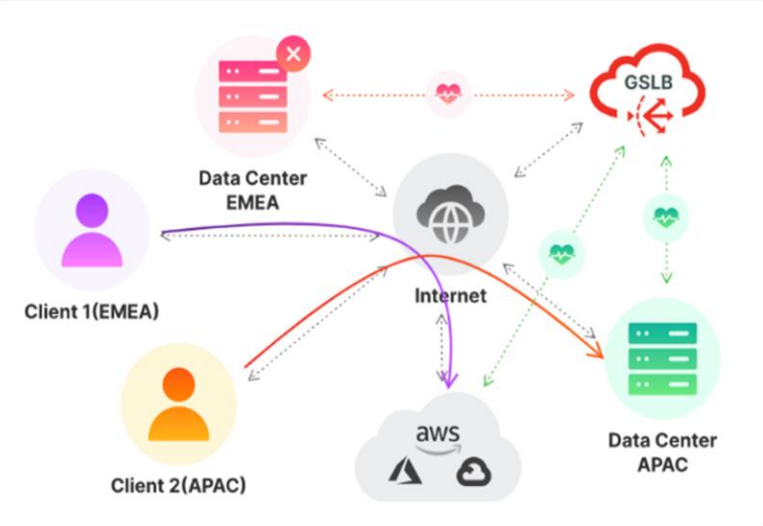
FortiGSLB Multiple Use-Cases

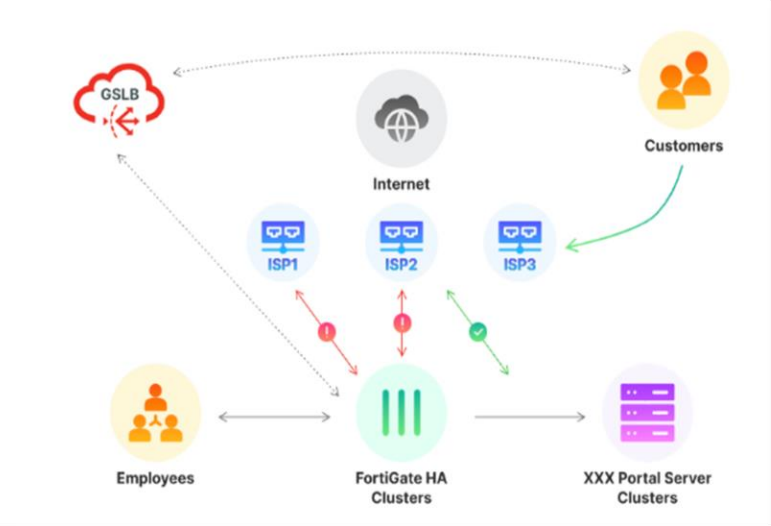
VPN Horizontal Scaling



Multisite Application LB



SD-WAN Link Optimization



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FortiCASB

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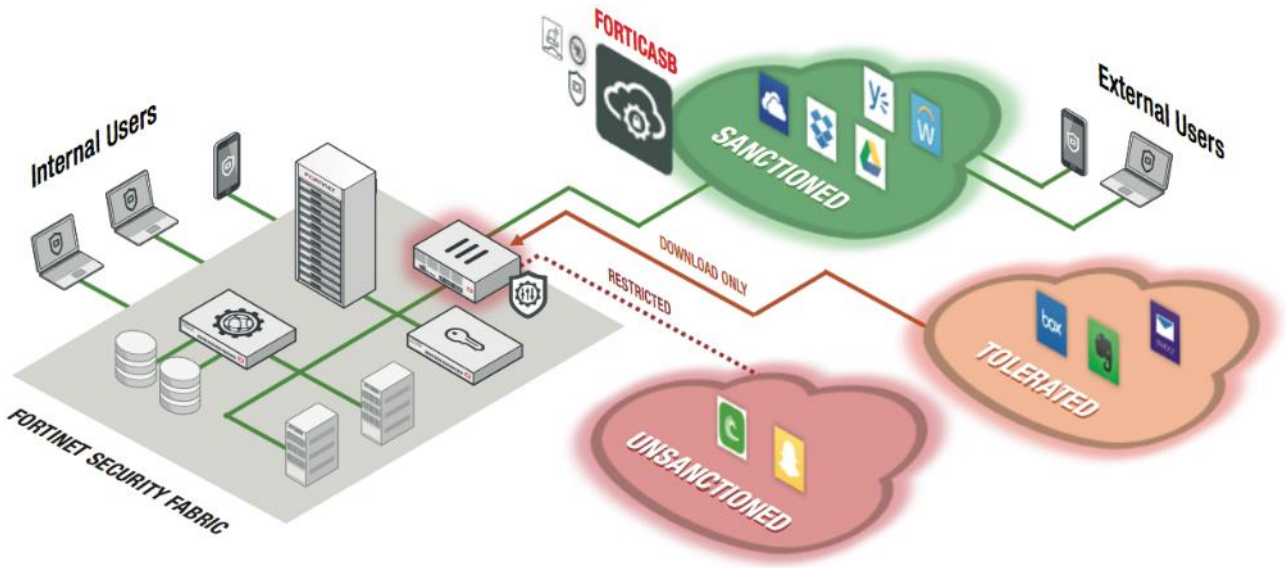
Introducing FortiCASB

Hosted

Hosted Service Designed to Provide Visibility, Insight, and Control for SaaS Applications

- API-Based
- Compliance and DLP
- User Insights and Policies
- Security Fabric Integration
- Shadow IT Discovery
- Advanced Analytics



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FortiCNP

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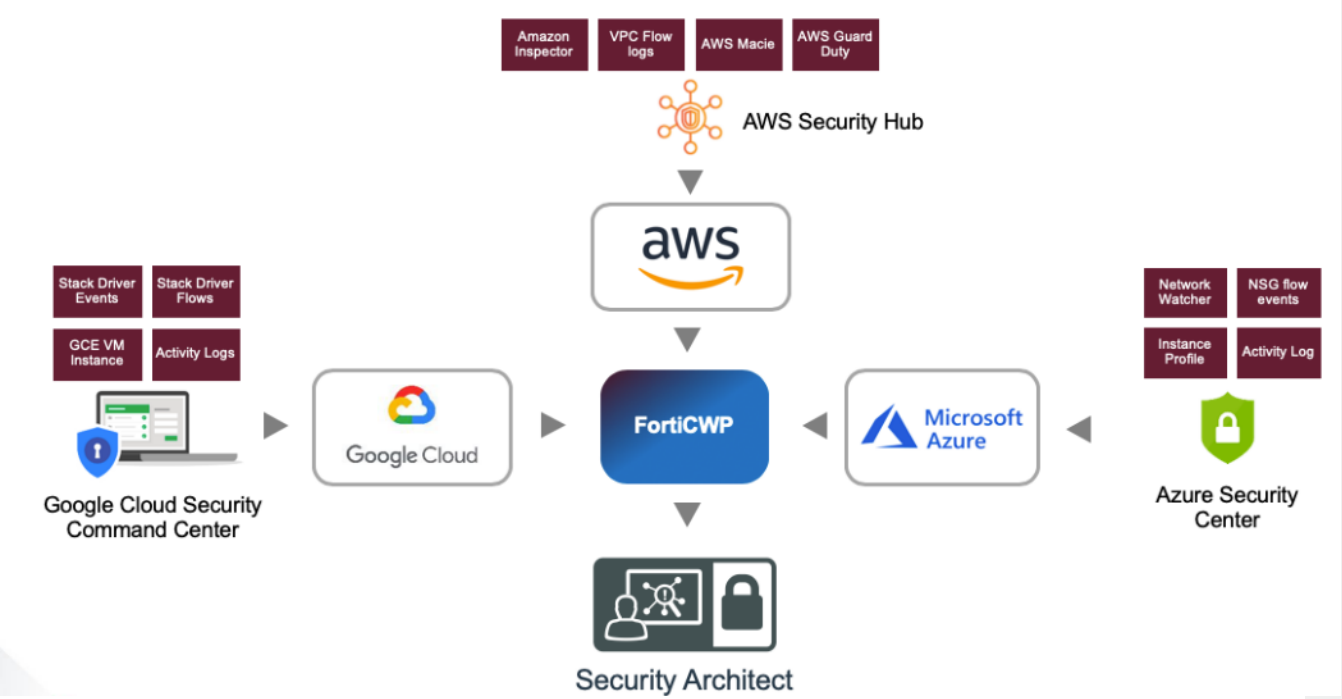
Introducing FortiCNP

Hosted

Cloud Security Analytics and Posture Management

- API-Based
- DevOps Integration
- Customizable Threat Discovery
- Comprehensive Analytics
- Compliance Reporting and Policies
- Cloud Blind Spot Elimination



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FortiDDoS

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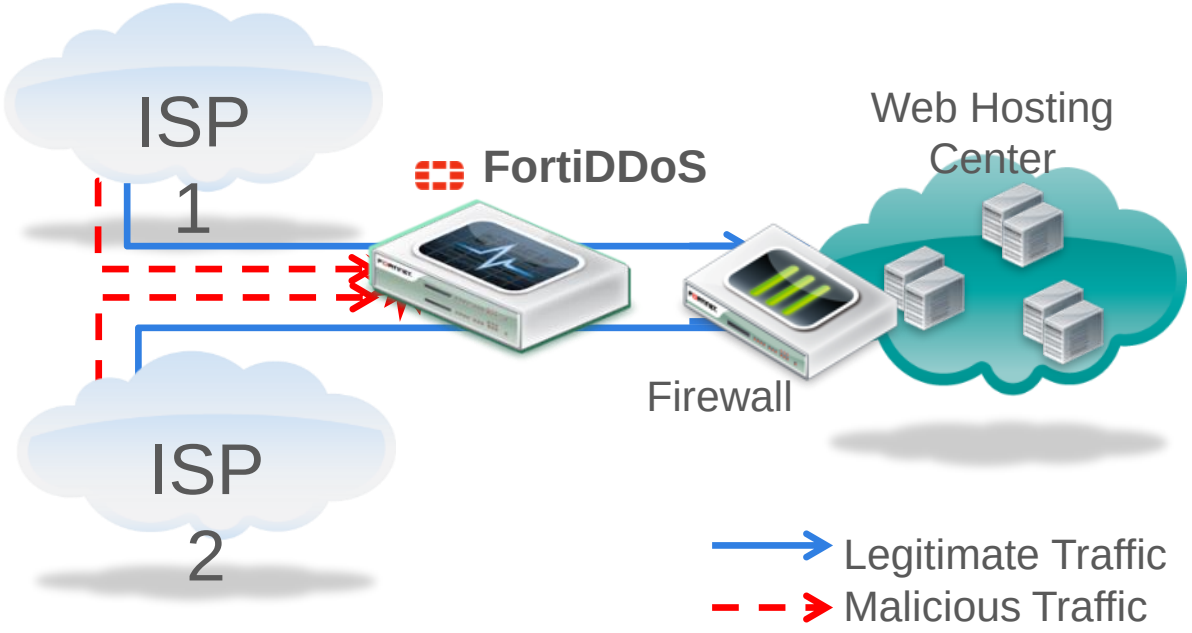
Introducing FortiDDoS

Appliance

Hardware Accelerated DDoS Intent Based Defense

- (SPU)-based layer 3, 4, and 7 DDoS protection
- Behavior-based DDoS protection to eliminate need for signature files
- Minimal false-positive detections through continuous threat evaluation
- Ability to monitor enormous parameters simultaneously
- Advanced defense against bulk volumetric, layer 7 applications
- Attack protection for DNS services via specialized tools



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FortiDDoS Series

	FDD-200F	FDD-1500E/-DC	FDD-1500F/-LR	FDD-2000E/-DC	FDD-2000F	FDD-3000F
Throughput (Full Duplex)	8 Gbps	35 Gbps	30 Gbps	70 Gbps	76 Gbps	74 Gbps
Simultaneous Connections	4.2 Mil	12 Mil	16.7 Mil	25 Mil	33 Mil	64 Mil
Session Setup/ Teardown (kcps)	375	>1500	>905	>3000	>3000	3087
Latency (µs) Maximum/Typical	<100	<50/<10	<100	<50/<10	< 50 µs	<100
Interfaces	8 LAN/WAN Interfaces (Copper/SFP)	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 100GE QSFP28	4x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 10GE SFP/+	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 100GE QSFP28	4x LAN & WAN 10GE SFP+, 4x LAN & WAN 40GE QSFP+	4x LAN & WAN 10GE SFP+, 4x LAN & WAN 40GE QSFP+
Advanced DNS Mitigation	Yes	Yes	Yes	Yes	Yes	Yes

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FortiNDR

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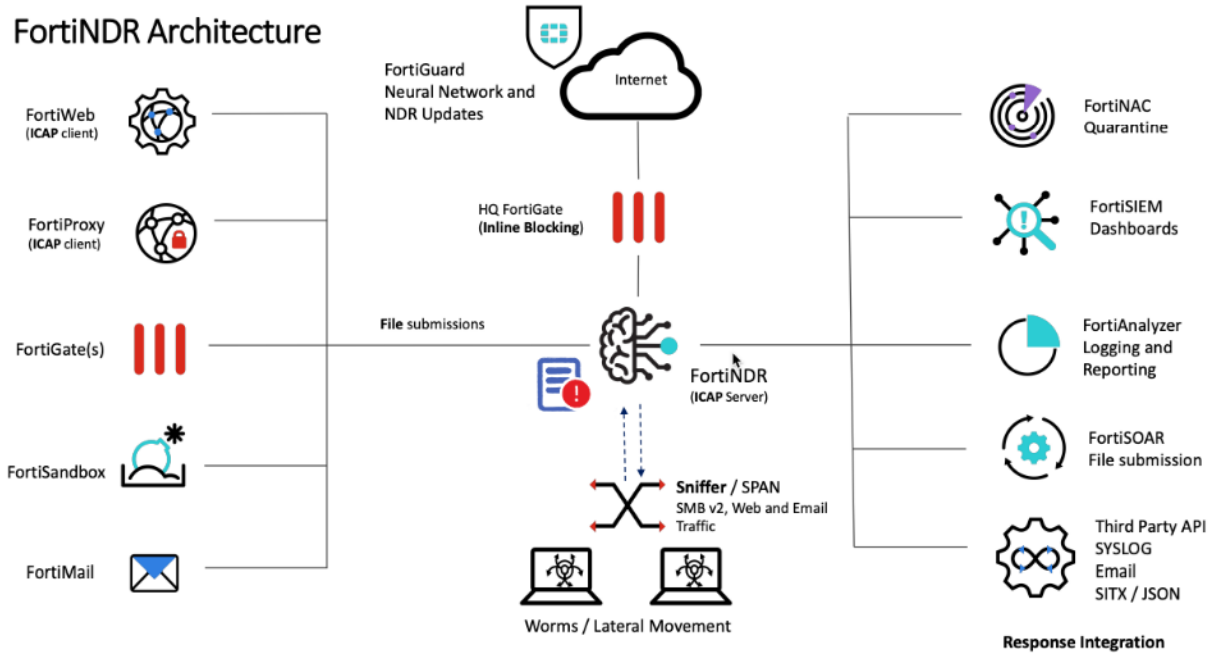
Introducing FortiNDR

Appliance

Virtual Machine

Sub-second Threat Investigation and Response

- Mimic an experienced Security Analyst
- Reduces malware detection and investigation time
- On-premise Learning to reduce false positives
- Security Fabric Integration
- Analyze zero days including fileless threats
- Based on several years of FortiGuard Labs research



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FortiNDR Series

FortiNDR	FNDR – 1000F	FNDR – 3500F
NDR Sniffer Throughput	10 Gbps/ 10 Gbps (HTTP/enterprise mix) - single port sniffer	10 Gbps/ 9.5 Gbps (HTTP/enterprise mix) - single port sniffer
Malware Analysis Throughput	170K files per hour	130K files per hour
Interfaces	2x 10/100/1000 RJ45 ports, 4x 10G SFP+,	4x 10GE SFP+, 2 x 10GE RJ45, 2 GE RJ45
Storage Capacity	2 x 7.68 TB (RAID 1) total 7.68 TB	2 x 3.84TB SSD, Total 7.7TB
FortiNDR-VM	**FAI-VM16**	**FAI-VM32**
NDR Sniffer Throughput	Hypervisor dependent	Hypervisor dependent
vCPU Support (Recommended)	16	32
Memory Support (Minimum / Recommended)	128GB / 256GB	128GB / 256GB
Recommended Storage	1TB to 8TB	1TB to 8TB

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FortiDeceptor

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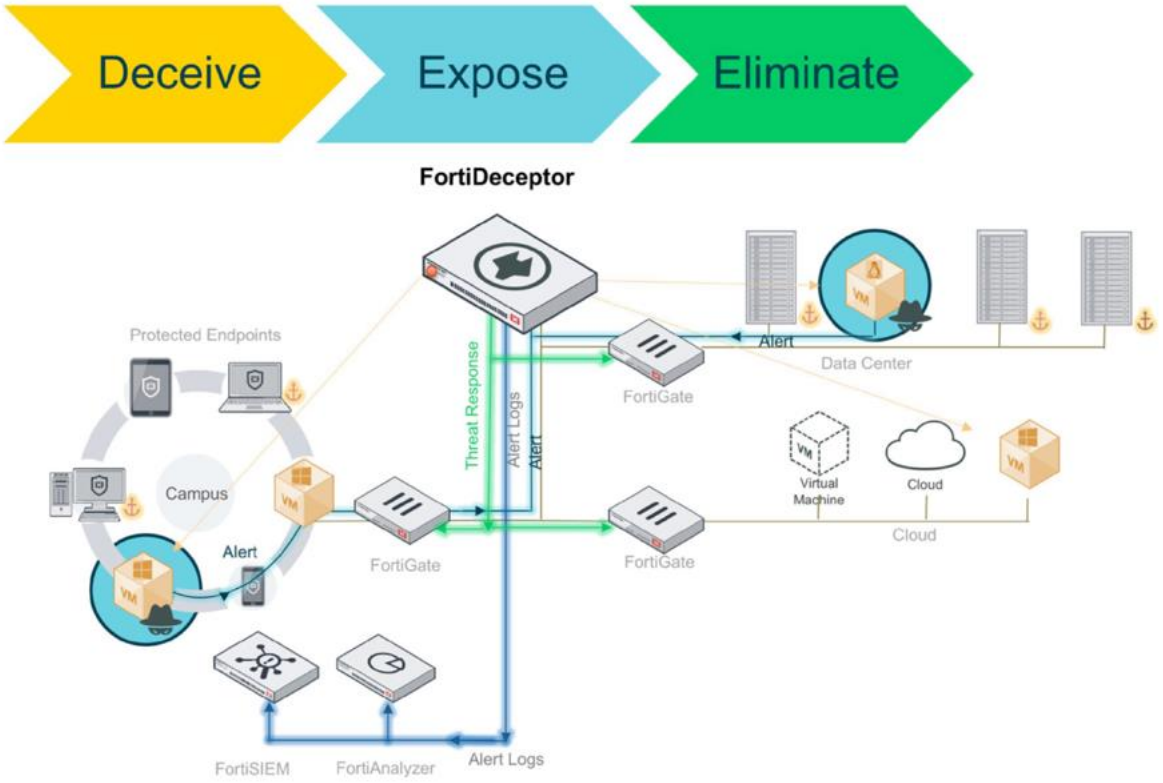
Introducing FortiDeceptor

Appliance

Virtual Machine

Automated Detection and Response to External and Internal Threats

- GUI driven threat map quickly uncovers threat campaigns targeting your organization
- Security infrastructure integration provides real-time blocking of attackers before real damage occurs
- Centrally manage and automate the deployment of deception VMs and decoys



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FortiDeceptor Series

	FDC-1000F	FDC-1000G	FDC-VM
VM Instance support (Maximum) *	16 Win / 16 Linux / Mix	16 Win / 16 Linux / Mix	16 Win / 16 Linux / Mix
VLANs support (Maximum)	128	128	128
Interfaces	4 x GE RJ45, 4 x GE SFP	4 x GE RJ45, 4 x GE SFP	6 Virtual
Storage Capacity	2TB (2 x 1TB HDD)	2TB (2 x 1TB HDD)	200GB to 16TB

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FortiEDR

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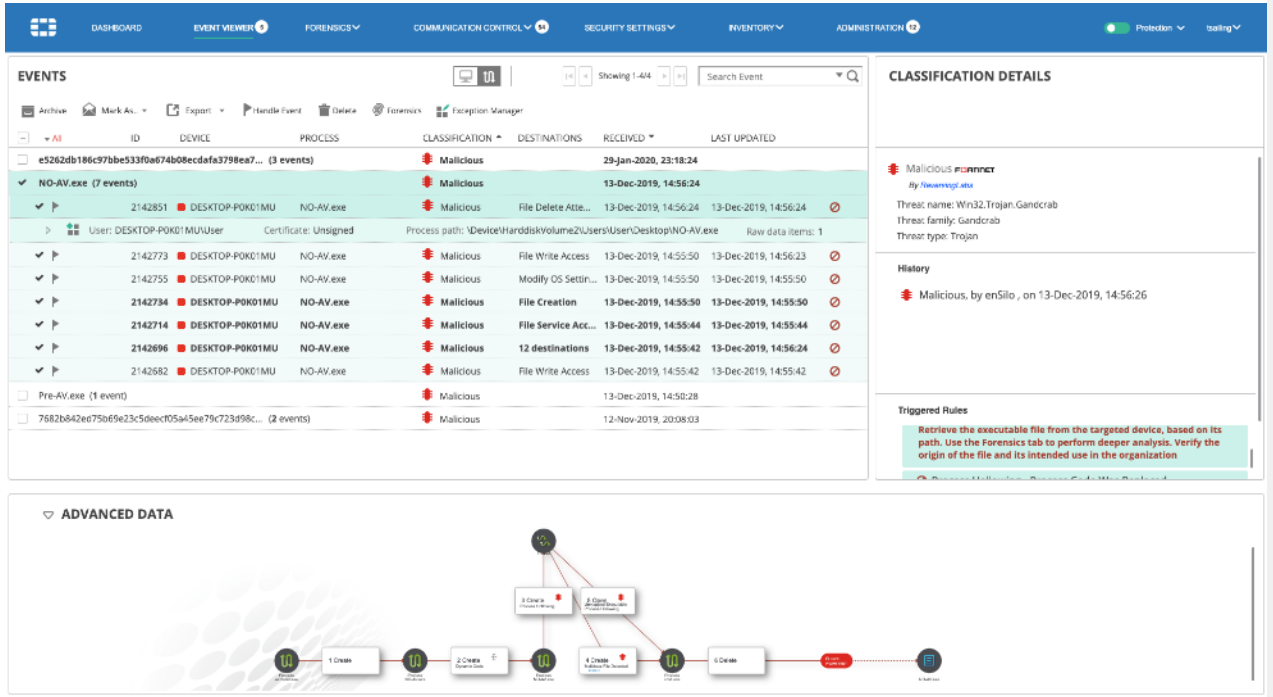
Introducing FortiEDR

Advanced, automated endpoint protection, detection, and response

- Discover, Predict, Prevent
- Detect and Defuse in Real Time
- Playbook-based Incident Response
- Real Time and Automatic
- Efficient Security Operations
- Minimize Business Impact



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FortiIsolator

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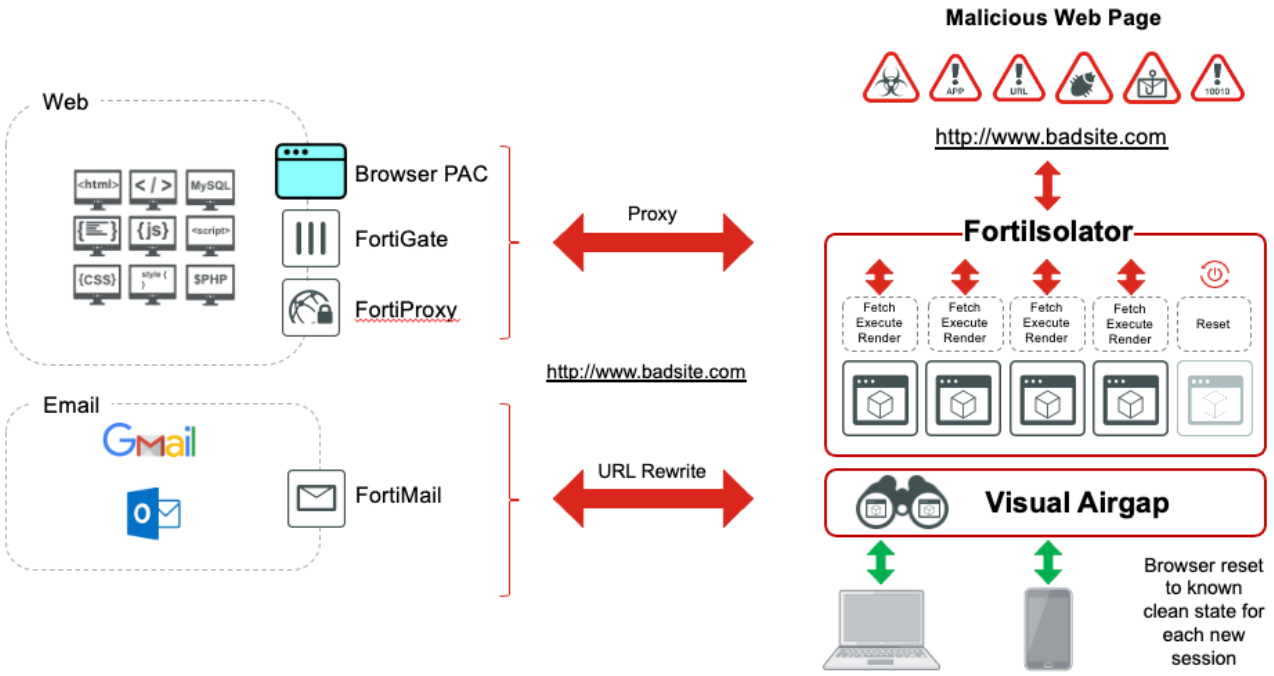
Introducing FortiIsolator

Appliance

Virtual Machine

Secure Web Access by Browser Isolation

- Safely access internet content
- Clientless browser access, removing dependencies on specific devices or applications
- Security Fabric integration with FortiGate, FortiProxy and FortiMail
- Boost Productivity by quickly renders safe web content for the end users
- Secure Valuable Data by adding layer of advanced protection



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FortiIsolator Series

	FIS-1000F	FIS-VM
Concurrent Browser Sessions	250*	Base VM license includes 2 concurrent sessions annual subscription basis in blocks of 50 sessions
Supported Browsers	Chrome, Firefox, Microsoft Edge, Microsoft Internet Explorer, Safari, Opera	
Integration Methods	Proxy, URL Rewrite, IP Forwarding	

* 20% of the sessions are video sessions

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FortiProxy

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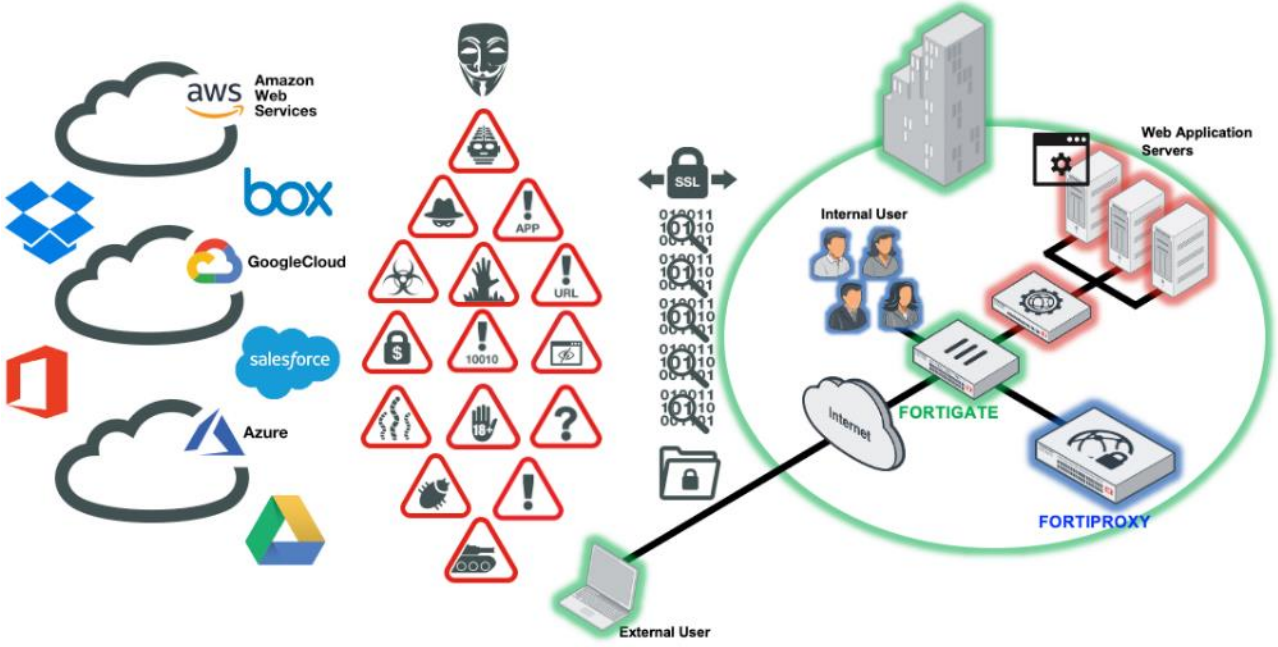
Introducing FortiProxy

Appliance | Virtual Machine | Cloud

Next-Gen Secure Web Gateway

- Accelerated SSL deep inspection
- Protection against sophisticated web attacks
- Authenticated web browsing control
- WAN Optimization and Advanced Caching
- Security Fabric integration with FortiSandbox, FortiAnalyzer, FortiNDR, FortiManager, FortiGate and FortiIsolator



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FortiProxy Series

	FPX-400E	FPX-400G	FPX-2000E	FPX-2000G	FPX-4000E	FPX-4000G
User License	500 – 4,000	500–6,000	500–15,000	500–20,000	500–50,000	500–60,000
Total Interfaces	4x GE RJ45	4x GE RJ45	2 x GE RJ45 2 x GE RJ45 bypass 2 x GE SFP 2 x 10GE SFP+	2x 10 GE SFP+, 2x GE SFP, 4x GE RJ45	4 x GE RJ45 2 x GE RJ45 bypass 2 x GE SFP 4 x 10GE SFP+	4x 10 GE SFP+, 2x GE SFP, 4x GE RJ45
Storage Capacity	2x 2 TB	2x 2 TB	4x 2 TB (16 TB Max)	4x 2 TB (16 TB Max)	4x 2 TB (24 TB Max)	4x 2 TB (24 TB Max)

	FPX-VM01	FPX-VM02	FPX-VM04	FPX-VM08	FPX-VM16	FPX-UL
License Capacity	100 users	100 – 500 users	100 – 2,500 users	100 – 10,000 users	100 – 25,000 users	100 – 50,000 users
Total Interfaces (Max)	10	10	10	10	10	10
CPU, memory, storage	2 CPU, Unlimited GB RAM, 1 Disk	4 CPU, Unlimited GB RAM, 2 Disk	8 CPU, Unlimited GB RAM, 2 Disk	16 CPU, Unlimited GB RAM, 4 Disk	32 CPU, Unlimited GB RAM, 8 Disk	Unlimited CPU, Unlimited GB RAM, 16 Disk

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FortiRecorder & FortiCamera

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Page 220 in August issue

Introducing FortiRecorder and FortiCam

Appliance | Virtual Machine | Cloud

AI-enabled video surveillance for secure and safer workplaces

- Multiple recording options: continuous, event-based, scheduled, manual
- Access to live and recorded video from mobile apps and browsers
- Recorder available as hardware, VM and cloud deployment
- Selection of camera types, powered with PoE
- Free professional-grade video management system (VMS)
- RADIUS, LDAP, SNMP, and remote data storage support

Security Fabric Ready

Please r
diagram
We have
harc
deploym

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FortiCam Surveillance Cameras

	FCM-FB50	FCM-MC51	FCM-FE120B
Description	Ultra-WDR Full Bullet Day/Night IP Camera for Indoor/Outdoor	Mini-cube Day/Night IP Camera for indoor	Fisheye Day/Night IP Camera for Indoor/Outdoor
Encoder	5 megapixel; H.265	5 megapixel; H.265	12 megapixel; H.265
Additional Features	• Motorized 4x autofocus zoom lens • Shutter ultra-WDR • Low-light CMOS sensor • IR capture 100 ft / 30 m • Two-way audio; line in/out • 3D noise reduction	• Low-light CMOS sensor • IR capture 26 ft / 8 m • Two-way audio; line in/out • 3D noise reduction • Wi-Fi support • Available for on-prem and cloud models	• 360° panoramic view (ceiling mount); 180° panoramic view (wall mount) • Low-light progressive CMOS sensor • IR capture 60 ft / 20 m • Built-in microphone • 3D noise reduction
Total Interface	RJ45 Ethernet 10/100 Mbps; 802.3af PoE	RJ45 Ethernet 10/100 Mbps; 802.3af PoE	RJ45 Ethernet 10/100/1000 Mbps; 802.3at PoE

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FortiCam Surveillance Cameras

	FCM-CD51	FCM-CD55	FCM-FD50
Description	Fixed Dome Day/Night IP Camera for Indoor/Outdoor	Fixed Dome Day/Night IP Camera for Indoor/Outdoor	Fixed Dome Ultra-WDR Day/Night IP Camera for Indoor/Outdoor
Encoder	5 megapixel; H.265	5 megapixel; H.265	5 megapixel; H.265
Additional Features	• Low-light sensor • IR capture 65 ft / 20 m • 3D noise reduction • Wi-Fi and Bluetooth support • Available for on-prem and cloud models	• Motorized, autofocus zoom lens • Low-light sensor • IR capture 65 ft / 20 m • 3D noise reduction • Wi-Fi and Bluetooth support • Available for on-prem and cloud models	• Motorized 4x autofocus zoom lens • Shutter ultra-WDR • Low-light progressive sensor • IR capture 100 ft / 30 m • Two-way audio with built-in mic • 3D noise reduction
Total Interface	RJ45 Ethernet 10/100 Mbps; 802.3af PoE	RJ45 Ethernet 10/100 Mbps; 802.3af PoE	RJ45 Ethernet 10/100 Mbps; 802.3af PoE

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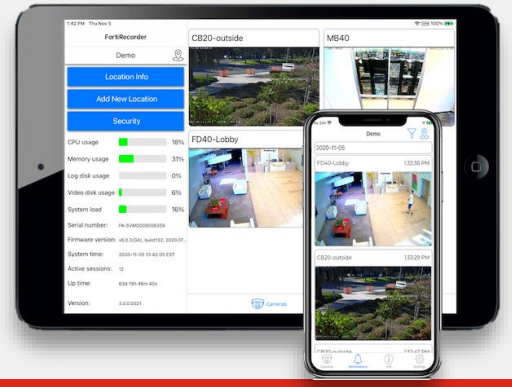
Free Video Management Apps



FortiRecorder for Mobile

Easily access live videos, playback recordings, get smart notifications, or track locations within your fingertips

- Intuitive interface for viewing camera live stream, 24/7
- Receive and play back video events
- Smart event notifications
- Track multiple locations simultaneously
- Available for iOS devices (iPhone and iPad) and Android smart phones

FortiCentral for Windows

AI-enabled Video Management Software for centralized control and visibility across all surveillance cameras

- Simplified management across multiple FortiRecorder and FortiCam devices
- Flexible tiled windows with easy drag and drop
- Instant replay and simultaneous playback
- 3D maps for easy navigation
- Intelligent machine-learning analyzes and recognizes faces, objects, facemasks, and occupancy, as well as privacy protection.

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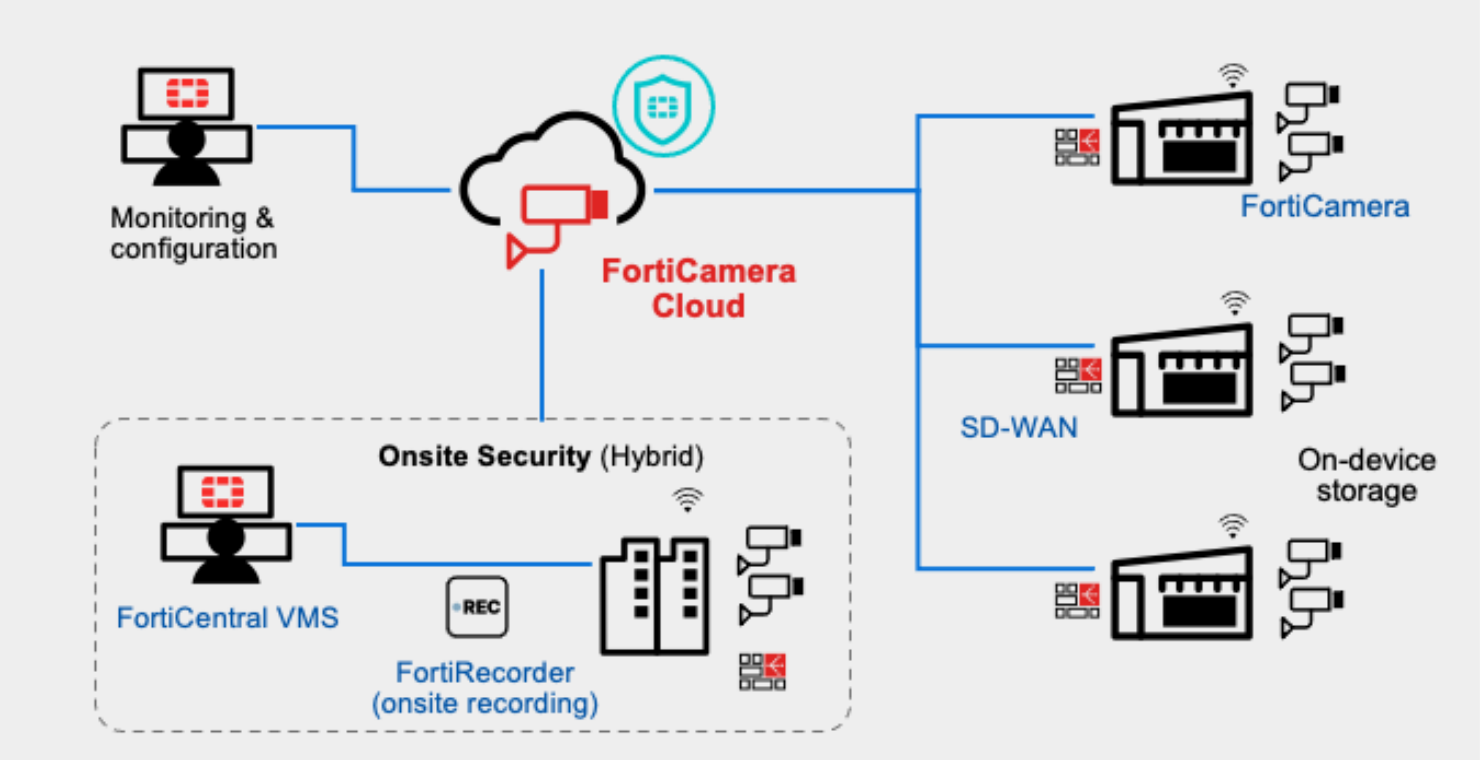
FortiCamera Cloud (Video Surveillance as a Service)



Out-of-the-Box

Easy activation and deployment; no recorders required.

Scalable

Simple subscriptions; add cameras for any location, anytime

Secure

Reliable cloud service, backed by proven security ecosystem

Flexible Deployment

Cloud-only

require an annual cloud subscription paired with a cloud-enabled camera

- Cloud management/viewing across cloud-enabled cameras with subscriptions
- Recordings on cloud security cameras

Hybrid

require an annual cloud subscription paired with a camera and one-time FortiRecorder cloud mode license

- Cloud management/viewing across all cameras
- On-site management available via FortiCentral VMS
- Recordings available on FortiRecorder (onsite)

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FortiTester

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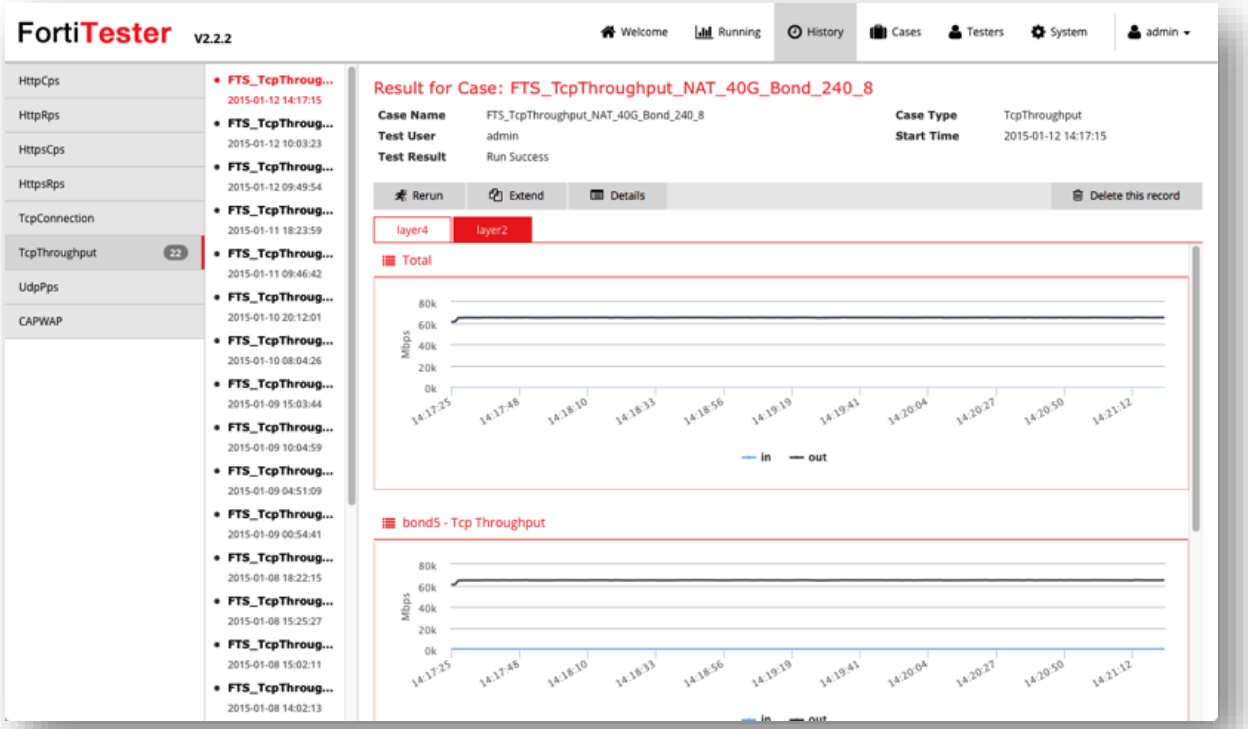
Introducing FortiTester

Appliance

Virtual Machine

Network performance tester that aids in infrastructure optimization and configuration validation

- Attack replay test
- HTTP/HTTPS connections per second test
- HTTP/HTTPS requests per second test
- TCP throughput test
- TCP concurrent connections test
- Mixed traffic test



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FortiTester Series

	FTS-100F	FTS-2000F	FTS-2500E	FTS-3000F	FTS-VM04 (vSwitch)
HTTP Throughput	10 Gbps	20 Gbps	20 Gbps	39.94 Gbps	14 Gbps
HTTP CPS	700,000	961,000	1,035,000	2,500,000	353,000
HTTP Connection	9,000,000	9,000,000	9,000,000	36,000,000	2,000,000
SSL Throughput	9.9 Gbps	15 Gbps	14.07 Gbps	39.93 Gbps	1.1 Gbps
SSL CPS	2,500	18,000	16,900	60,600	2,600
SSL Connection	80,000	80,000	80,000	320,000	15,000
Total Interfaces	2x 10GE SFP+, 2x GE SFP, 2x GE RJ45, 1x MGMT GE RJ45	4x 10GE SFP+, 1x MGMT GE RJ45	4x 10GE SFP+, 1x MGMT GE RJ45	2x 40GE QSFP+, 1x MGMT GE RJ45	-
Form Factor	1U	2U	1U	1U	-
Storage	1 TB HDD	1 TB HDD	1 TB HDD	2 TB HDD	-

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FortiToken

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Introducing FortiToken

Oath Compliant Time Based Hardware One Time Password Token

- Scalable strong authentication solution for low entry cost and low total cost of ownership (TCO)
- Unique online activation option reducing complexity
- Reduced operations costs through leveraging existing FortiGate as the authentication server
- ✓ Large, easy-to-read LCD display

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Introducing FortiToken Mobile

Oath Compliant Time Based One Time Password Soft Token

- Reduced costs by leveraging existing FortiGate as the authentication server
- Minimized overhead with unique online activation option
- A scalable solution for low entry cost and low total cost of ownership

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FortiVoice & FortiFone

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Introducing FortiVoice & FortiFone

Appliance | Virtual Machine | Cloud

Secure business communications solution enables organizations to collaborate efficiently across offices

- Secure communications safeguard conversations
- Centralized management across locations
- Rich features with integrated voice, conferencing and fax
- Comprehensive system monitoring and reporting
- Local survivability support for business continuity
- Versatile IP phone selection with HD audio clarity

Security Fabric Ready

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FortiVoice Appliances

	FVE-20E2/4	FVE-50E6	FVE-100F	FVE-200F8
Form Factor	Desktop	Desktop	Desktop	Rack Mount (1U)
VoIP trunks	4	8	16	24
Extensions	20	50	100	200
Concurrent calls	8	15	30	32
Auto attendants	5	5	10	15
Conference bridges	2	2	8	10
PRI (T1/E1)	0	0	0	0
Traditional telephone lines (FXO)	2 / 4	6	0	8
Analog extensions (FXS)	2 / 0	2	0	0
Network interfaces (RJ45)	2	2	2	2
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)			

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FortiVoice Appliances

	FVE-300E-T	FVE-500F	FVE-2000F	FVE-5000F
Form Factor	Rack Mount (1U)	Rack Mount (1U)	Rack Mount (1U)	Rack Mount (1U)
VoIP trunks	30	50	200	500
Extensions	300	500	2,000	5,000
Concurrent calls	60	75	300	800
Auto attendants	20	20	100	100
Conference bridges	12	12	50	50
PRI (T1/E1)	1	0	0	0
Traditional telephone lines (FXO)	0	0	0	0
Analog extensions (FXS)	0	0	0	0
Network interfaces (RJ45)	5	4	4	4 + 2x SFP
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)			

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FortiVoice Gateway (ATA)

	FVG-GO08	FVG-GS16	FVG-GT01	FVG-GT02
Form Factor	Desktop	Desktop	Rack mount (1U)	Rack mount (1U)
Traditional telephone lines (FXO)	8	-	-	-
Analog extensions (FXS)	-	16	-	-
PRI port (T1/E1)	-	-	1	2
Network interfaces (RJ45)	2	2	2	2
Advanced network features	Voice QoS | 802.1 Q VLAN | SIP over TLS | SRTP | SNMP | Fax over VoIP | T.38			
Management	Command line interface | Web Interface			

The FortiVoice Gateway works in conjunction with FortiVoice phone system to expand the resources and connect different line types to the system. The gateways are supported on the FortiVoice FVE-100E and larger.

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FortiVoice Virtual Machines

	FVE-VM-50	FVE-VM-100	FVE-VM-200	FVE-VM-500	FVE-VM-2000
Form Factor	VM	VM	VM	VM	VM
VoIP trunks	8	16	24	50	200
Extensions	50	100	200	500	2,000
Concurrent calls	15	30	32	75	300
Auto attendants	5	10	15	20	100
Conference bridges	2	8	10	12	50
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)				

	FVE-VM-5000	FVE-VM-10000	FVE-VM-20000	FVE-VM-50000
Form Factor	VM	VM	VM	VM
VoIP trunks	500	1,000	2,000	3,000
Extensions	5,000	10,000	20,000	50,000
Concurrent calls	800	1,500	1,500	2.000
Auto attendants	100	100	150	200
Conference bridges	50	50	50	100
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)			

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FortiVoice Appliance & VM: Core Features

Features built into all FortiVoice models
No license required to activate features

SIP/PRI/PSTN trunks
T1/E1/R2 signaling

SIP/analog extensions
Remote extensions
External IP extensions

Direct inward dialing (DID)
Caller ID modification
Rule-based dial plan

Individual / Group voicemail
Voicemail to e-mail
Music on hold – files
Music on hold – live stream

Ring groups
Auto Attendants
Multilocation: office peers
Emergency call notification

Personal/system speed dials
Automatic hotline (direct call)
Scheduled call handling
Dial-by-name directory
User privileges

Call conference/bridge
Call hold/transfer/park/pickup
Call forward
Paging to selected phones

Intercom
Follow-me
User privileges
Personal blacklist

Line/extension appearance
SIP forking / “Twinning”

SIP over TLS/SRTP
Password policy enforcement
802.1Q VLAN support
Call detail record logging
Real-time call status monitoring
Remote management
Calendar based schedule
Multilingual

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FortiVoice Appliance & VM: Enhanced Features

Features built into FVE-100 / FVE-VM-100 and up
No license required to activate features

Call queue
Call recording
Call barge
Hot desking

Click-to-dial
Reminder/Wakeup call
High availability (HA)
NAS support

Fax over SIP/PRI/PSTN
Fax to e-mail
Fax archive/remote storage
Automatic fax detection

Embedded basic SBC
Auto-provisioning
Local trunk survivability (SRST)
Call detail records (SMDR)

LDAP / AD authentication
Email alert for system events
Network traffic capture
Remote logging
SNMP

InformaCast Integration
E911 integration

Single Sign On
Web management interface
Web user portal
Web directory lookup
Web Operator Console
Multilocation_ office peers

Role-based management
Central Management
Multilingual

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FortiVoice Appliance & VM: Add-on Services

Unified Communications

Extends capability beyond calls to optimize communication efficiency

- View colleagues' presences in real time from FortiFone Softclient
- Chat with colleagues from FortiFone Softclient
- Share files within FortiFone Softclient
- Start a video call from FortiFone Softclient

Call Center

Turn FortiVoice to an efficient call center solution for better customer satisfaction

- Web-based console
- Dynamic call center agents
- Flexible call distribution
- Skill based routing
- Granular statistic on agent and call queue performance
- Highly detailed custom call reporting
- Licenses required only for Call Center and for agents

Hotel Management

Provides better guest services and communications with hospitality functionality

- Enriched features with check-in/check-out control, wake-up calls, room conditions codes, etc.
- Compatible with industry-leading property management systems
- Licenses required for Hotel and for rooms
- Supports FortiVoice protocol (compatible with Mitel SX 2000 protocol). MICROS FIAS protocol and Comtrol UHLL protocol

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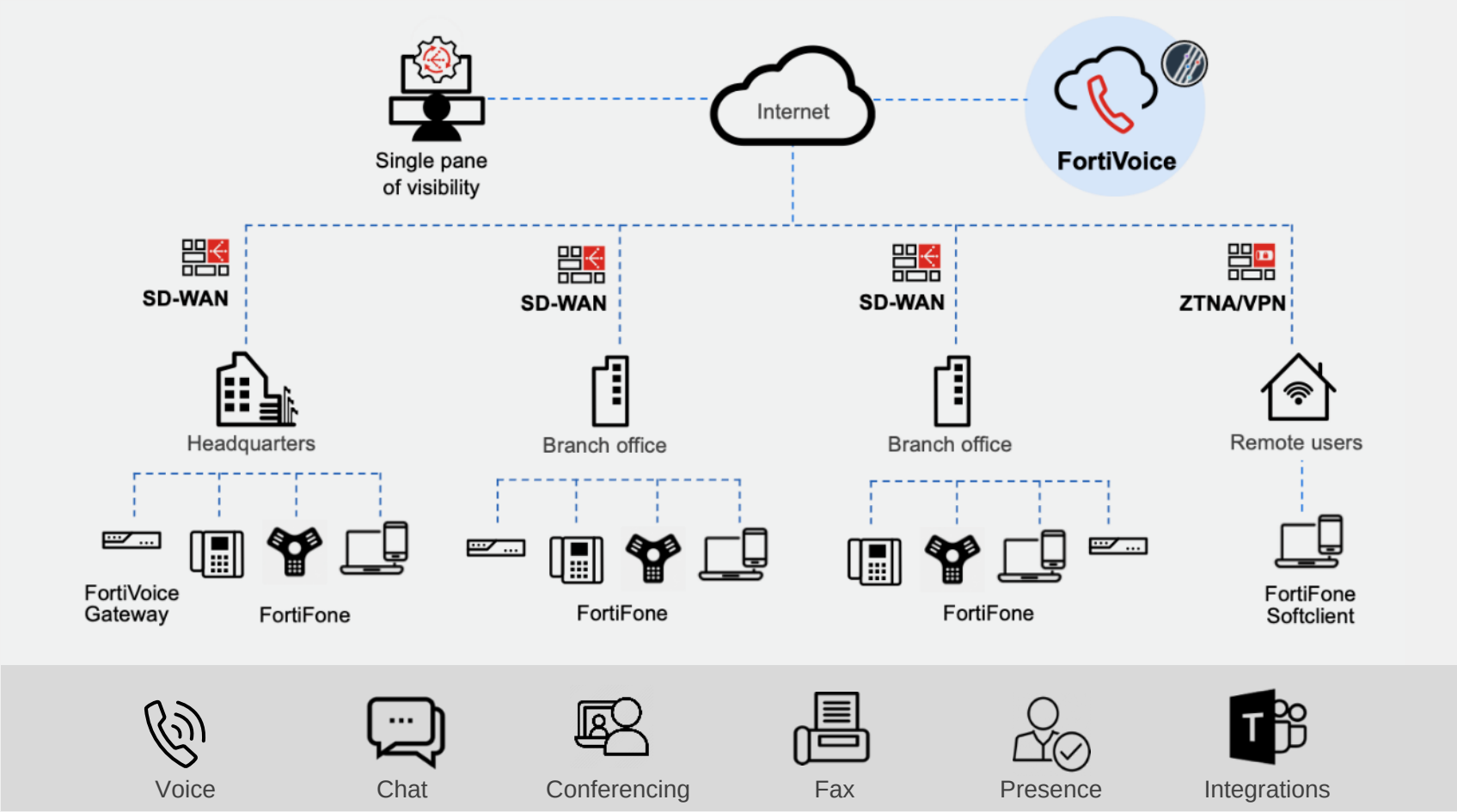
FortiVoice Cloud *(available in North America)*

All-inclusive cloud communications with secure voice, conferencing, chat, fax, and more



Simple
Out of box solution with easy deployment.

Reliable
Enterprise-grade QoS ensures service uptime.

Affordable
Easy subscriptions and pay only needed usage.

Mobile
Connect users regardless of locations & devices.

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FortiVoice Cloud: Annual Subscriptions Plans

Extension subscriptions *(available for mix-and-match)*

Entry including call path	Standard including call path, DID, E911	Premium including call path, DID, E911
• Unlimited US & CA calling • Basic call handing • Supports 1 endpoint	**Entry extension plan +** • Conferencing • Fax • Standard call handing • System call recording • Call queue • User portal with basic management • Standard voicemail • Presence • Soft client for mobile & desktop • Supports up to 3 endpoints	**Standard extension plan +** • Advanced call handling • Advanced call recording • Hot desking • Twinning • User portal with advanced management • Advanced voicemail • Video calling • Supports up to 5 endpoints

Microsoft Teams Routing-only subscriptions

(for companies only want to add calling plan to Microsoft Teams with a bring-your-own-carrier approach)

- 10-user pack (stackable)
- 100-user pack (stackable)

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FortiFone IP Phones

FON-380B

A mid-range phone with easy-to-use design for efficient communications

- HD audio quality
- 3.5” color screen
- 10 dedicated feature keys
- Up to 28 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support
- Works for FortiVoice on-prem and cloud solutions

FON-480B

A professional phone with larger color-rich screen for easy day-to-day operations

- HD audio quality
- 4.3" color screen
- 10 dedicated feature keys
- Up to 45 programable keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support
- Built-in Bluetooth headset support
- Works for FortiVoice on-prem and cloud solutions

FON-580

A high-performance phone with color screens and up to 106 programmable keys

- HD audio quality
- Color screens: 4.3" + 2 built-in 3.5” side displays
- 9 dedicated feature keys
- Up to 106 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support
- Built-in Bluetooth support for greater connectivity
- Works for FortiVoice on-prem and cloud

FON-H25

A hotel/lobby phone with high quality audio and dedicated feature keys

- 6 dedicated feature keys
- Full duplex speakerphone
- 2 x 10/100 Ethernet ports
- Integrated Power over Ethernet (PoE) support

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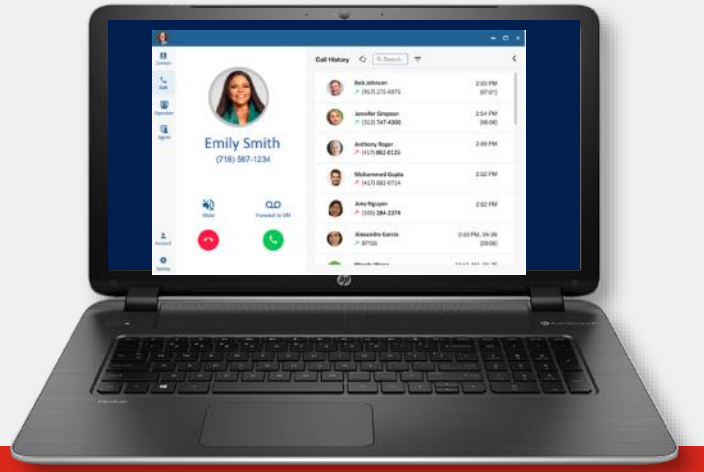
FortiFone Softclient



Mac

Windows

FortiFone Softclient for Mobile

A customizable IP phone with high quality audio and dedicated feature keys

- Integrated UI for calling, conferencing, fax, and more, directly from a smartphone
- Easy call control: hold/unhold, mute/unmute, transfer, swap and merge calls, and more.
- Access company directory and favorites; call your colleague or customers with a single tap
- Visual voicemail
- Hands-free speaker phone option
- Support headset use

FortiFone Softclient for Desktop

A customizable IP phone with high quality audio, dedicated feature keys and color screen

- Integrated UI for calling, conferencing, fax, chat, and more, directly from a computer or a notebook.
- Easy call control: hold/unhold, mute/unmute, transfer, swap and merge calls, and more.
- Access company directory and favorites; call your colleague or customers with a single tap
- Visual voicemail
- Quick access to History, Contact, and Voicemail
- Supports headset use

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FortiWLM

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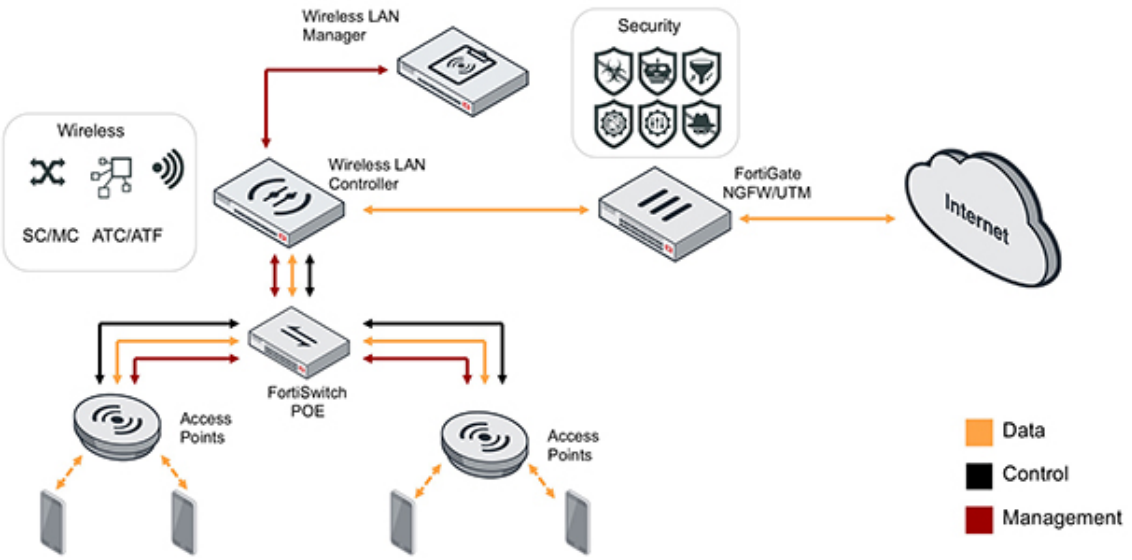
Introducing FortiWLM

Appliance

Virtual Machine

Platform for secure access applications focused on WLAN management, interference detection and security.

- Network management that supports monitoring, configuring and reporting of wireless network health
- RF interference detection and mitigation
- A choice of appliances sized to fit your business scale



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FortiWLM Series

	FWM-100D	FWM-1000D	FWM-VM	FWM-MEA
Number of APs	1,000	15,000	15,000	3,200
Number of Stations	5,000	75,000	75,000	64,000
Total Interface	4x GE RJ45	4x GE RJ45 4x GE SFP	-	-
Form Factor	1 RU	1 RU	-	-

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Other Information

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Virtual Appliance Platforms

	VMWare vSphere	Citrix Xen Server	Xen	KVM	Microsoft Hyper-V	Nutanix AHV
FortiGate-VM*	✓	✓	✓	✓	✓	✓
FortiManager-VM	✓	✓	✓	✓	✓	✓
FortiAnalyzer-VM	✓	✓	✓	✓	✓	✓
FortiWeb-VM	✓	✓	✓	✓	✓	✓
FortiWeb Manager-VM	✓					
FortiMail-VM	✓	✓		✓	✓	✓
FortiAuthenticator-VM	✓		✓	✓	✓	✓
FortiADC-VM	✓	✓	✓	✓	✓	✓
FortiVoice-VM	✓	✓		✓	✓	
FortiRecorder-VM	✓	✓		✓	✓	
FortiSandbox-VM	✓			✓	✓	✓
FortiSIEM	✓			✓	✓	✓
FortiProxy-VM	✓		✓	✓	✓	✓
FortiNAC-VM	✓			✓	✓	✓

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Virtual Appliance Platforms

B BYOL P PAYG

	Availability in Cloud Marketplaces					Product Support for CSPs				
	AWS Marketplace	Azure Marketplace	Oracle OPC	Google Marketplace	AliCloud	AWS	Azure	Oracle	Google Cloud	AliCloud
FortiGate-VM*	B P	B P	B P	B P	B P					
FortiManager-VM	B P	B	B	B	B					
FortiAnalyzer-VM	B P	B	B	B	B					
FortiWeb-VM	B P	B P	B	B	B					
FortiMail-VM	B	B P		B						
FortiAuthenticator-VM	B	B	B							
FortiADC-VM	B P	B P	B P	B P	B					
FortiVoice-VM	B	B			B					
FortiRecorder-VM	P	B								
FortiSandbox-VM	B P	B P								
FortiSIEM	B	B								
FortiProxy-VM	B	B			B					
WAF Rules	P									
FortiWeb Cloud	P	P	B	P						

Virtual Appliance Platforms

B BYOL P PAYG

	Availability in Cloud Marketplaces					Product Support for CSPs				
	AWS Marketplace	Azure Marketplace	Oracle OPC	Google Marketplace	AliCloud	AWS	Azure	Oracle	Google Cloud	AliCloud
FortiCNP						✓	✓		✓	
FortiCASB						✓	✓		✓	
FortiEDR				P					✓	
Consulting services	B					✓	✓	✓	✓	✓

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